

Alignment of Caspase Sequences

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|------------|-----|------------|------------|------------|-------------|-----|------------|-------------|------------|-------------|------------|------------|------------|------------|-------------|------------|--|
| Caspase 10 | 1 | MKSQQGHWYS | SSDKNCKVSF | REKLLIIDSN | LGVDQVENLK | 41 | FLCIGLVPNK | KLEKSSASD | VFEHLLAEDL | LSEEDPFFLA | 81 | ELLYIIRQKK | LLQHLNCTKE | EVERLLPTRQ | RV..SLFRNL | | |
| Caspase 8 | | | 1 | MDFSR | NLYDIGEQLD | 26 | SLDYIPQRKQ | EPIKDALMLF | QRLQEKRMLE | ESNLSFLKEL | 66 | LFRINRLDLL | I.TYLNTRKE | EMERELQTPG | RAQISAYRVM | | |
| Caspase 5 | | | 1 | M | FKGILQSGLD | 22 | NVAGQTSIQT | LVPNTDQKST | SVKKNHNKKK | TVKMLEYLGK | 62 | DVLHGVFNLY | AKHDVLTLKE | EEKKYYDAK | IEDKALILVD | | |
| Caspase 1 | | | | | | | | | 1 | MADKVLKEK | RKLFIRSMGE | 20 | GTINGLLDEL | L.QTRVLNKE | EMEKKVRENA | TVMDKTRALI | |
| Caspase 4 | | | | | | | | | 1 | MAEGNHRKK | PLKVLESLGK | 20 | DFLTGVLDNL | VEQNVLNWK | EEKKYYDAK | TEDKVRVMAD | |
| Caspase 2 | | | | | | | | | 1 | MAADRG | RRILGVCGMH | 17 | PHHQETLKK | RVVLAKQLL | SELLEHLEK | DIITLEMREL | |
| Caspase 9 | | | | | | | | | 1 | MDEAD | RLLRRRCRLR | 16 | LVEELQVDQL | WDVLLSRELF | RPHMIEDIQR | AGSGSRRDQA | |
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| Caspase 10 | 119 | LYELSE.GID | SENCLKMIFL | LKDSLPKTEM | TLSLFLAFLE | 158 | KQGKIDEDNL | TCLEDLCKTV | VPKLLRNIK | YKREKAIQIV | 198 | TPPVDKEAES | YQGEEELV.. |S | QTDVK..... | | |
| Caspase 8 | 105 | LYQISEEVS | SELRSFKFL | QEEISKCKLD | DDMNLDFIFI | 145 | EMEKRVILGE | GKLDILKRV | AQINKSLKI | INDYEEFSKE | 185 | RSSSLEGSPD | EFSNGEELCG | VMTISDSPRE | QDSESQTLDK | | |
| Caspase 5 | 102 | SL..... | ..... | ..... | ..... | 104 | ..... | ..... | .RKNRVAHQ | FT...QTLN | 120 | MDQKITSVKP | ..... | .....LLQIE | AGPPESAEST | | |
| Caspase 1 | 59 | DSVIPKGAQA | CQICITYICE | ..... | ..... | 79 | ..... | ..... | .....ED | SYLAGTLGLS | 91 | ADQTSGNLYN | MQDSQGVLS | FPAPQAVQDN | PAMPTSSGSE | | |
| Caspase 4 | 60 | SMQ..... | ..... | ..... | ..... | 63 | ..... | ..... | .EKQRMAQGM | LL...QTFN | 79 | IDQISPNKKA | ..... | .....HNME | AGPPESGEST | | |
| Caspase 2 | 57 | IQAKVGSFSQ | NVELLNLFPK | RGPQAFDAFC | EALRE..... | 92 | ..... | ..... | .TKQGHLEDM | LLTTLGSLQH | 111 | VLPPLSCDYD | LSLPPFVCS | CPLYKKLRLS | TDTVEHSLDN | | |
| Caspase 9 | 56 | RQLIIDLETR | GSQALPLFIS | CLEDTGQDML | ASFL..... | 90 | ..... | ..... | RTNRQAGKLS | KPTLENLTPV | 110 | VLRPEIRKPE | VLRPETPRP | ..... | ..... |  |  |
| Caspase 6 | | | | | | | | | | | | 1 | MSSAS | GLRRGHFAGG | EENMTETDAF | YKRFMFDPAE | |
| Caspase 3 | | | | | | | | | | | | 1 | MENTE | NSVDSKSIKN | LEPKIIHGSE | SMDSGISLDN | |
| Caspase 7 | | | | | | | | | | | | 1 | MADDQ | GCIEEQVED | SANEDSDVAK | PDRSSFVPSL | |
| L | | | | | | | | | | | | | | | | | |
| Caspase 10 | 222 | TFLE..... |ALP | RAAVYRM..N | RNHRGLCVIV | 247 | NNHSF.... |TSLKD | RQGTHKDAEI | LSHVFQWLGF | 277 | TVHIHNNVTK | VEMEMVLQKQ | KCNPAHADGD | ..CFVFCILT | | |
| Caspase 8 | 225 | VYQM..... | ..... | .....K | SKPRGYCLII | 240 | NNHNFAKARE | KVPKLHSIRD | RNGTHLDAGA | LTTTFFELHF | 280 | EIKPHDDCTV | EQIYEILKIY | QL.MDHSNMD | ..CFICCILS | | |
| Caspase 5 | 145 | NILKLCPREE | F..LRLCKKN | HDEIYPIKRR | EDRRRLALII | 183 | CNTKF.... |DHLPA | RNGAHYDIVG | MKRLQLGLGY | 213 | TVVDEKNLTA | RDMSVLRAF | AARPEHKSSD | ..STFLVMLS | | |
| Caspase 1 | 131 | GNVKLSLEE | A..QRIWKQK | SAEIYPIMDK | SSRTRALALII | 169 | CNEEF.... |DSIPR | RTGAEVDITG | MTMLLQNLGY | 199 | SVDVKNLTA | SDMTTELEAF | AHRPEHKTS | ..STFLVMS | | |
| Caspase 4 | 104 | DALKLCPHEE | F..LRLCKER | AEIYPIKER | NNRTRALALII | 142 | CNTEF.... |DHLPP | RNGADFDTG | MKELLEGLDY | 172 | SVDVEENLTA | RDMSALRAF | ATRPEHKSSD | ..STFLVMS | | |
| Caspase 2 | 151 | KDGPLCLQVK | PCTPEFYQTH | FQLAYRL..Q | SFRPGLALVL | 189 | SNVHF.... | ..TGEKLEF | RSGGDVDHST | LVTFLKLLGY | 222 | DVHVLCDDTA | QEMQEKLNQ | AQLPAHRVTD | ..SCIVALLS | | |
| Caspase 9 | 129 | VDIGSGGFGD | VGALESLRGN | ADLAYIL..S | MEPCGHCLII | 167 | NNVNF.... | ..CREGLRT | RTGSNIDCEK | LRRRFSLLHF | 200 | MVEVKGDLT | KKMVLALLEL | AR.QDHGALD | ..CCVVVILS | | |
| Caspase 6 | 36 | KYKM..... | ..... | .....D | HRRRGLALIF | 51 | NHERFF.... | ..WHLTPE | RRRTCADRND | LTRRFSDLGF | 84 | EVKCFNDLKA | EELLLKIHEV | ST.VSHADAD | ..CFVCFVLS | | |
| Caspase 3 | 36 | SYKM..... | ..... | .....D | YPEMGLCIII | 51 | NNKNF.... | ..HKSTGMTS | RSGTDVDAAN | LRETFRNLKY | 84 | EVRNKNLDR | EEIVELMRDV | SK.EDHSKRS | ..SFVCVLLS | | |
| Caspase 7 | 36 | FSKKKKNVTM | RSIKTTRDRV | PTYQYNM..N | FEKLGKCIII | 74 | NNKNF.... | ..DKVTGMGV | RNGTDKDAEA | LFKCFRSLGF | 107 | DVIVYNDSC | AKMQDLLKKA | SE.EDHTNAA | ..CFACILLS | | |
| Caspase 14 | | | 1 | MSNP | RSLEEEKYDM | 24 | CVTK..... |A | REGSEEDLDA | LEHMFQRLRF | 49 | ESTMKRDPTA | EQFQEELEKF | QQAIDSDRED | VSCAFVVLMA | | |
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| Caspase 10 | 315 | HGRFGAVYSS | D.....EA | LPIREIMSH | FTALQCPRLA | 348 | EKPFLFFIQA | CQGEIQQPSV | SIEADALNP. | | 377 |EQ | APTSLQDSIP | AEA...DFL | LGLATVPGYV | | |
| Caspase 8 | 317 | HGDKGIIYGT | D.....GQ | EPPIYELTSQ | FTGLKCPSLA | 350 | GKPKVFFIQA | CQGDNYQKGI | PVETDSEEQ. | ..... | 379 | ...PYLEMD | LSSPQTRYIP | DEA...DFL | LGMATVNNCV | | |
| Caspase 5 | 251 | HGILEGICGT | A..HKKKKPD | VLLYDTIFQI | FNNRNLCLSK | 289 | DKPKVIVQA | CRGEKHGELW | ..VRDSPASL | AV..... | 319 | ISSQSSENLE | ADSVCKIHEE | K.....DFI | AFCSSSTPHNV | | |
| Caspase 1 | 237 | HGIREGICGK | K..HSEQVPD | ILQLNAIFNM | LNTKNCPSLK | 275 | DKPKVIVQA | CRGDSPGVVW | ..FKDSVGV | GN..... | 305 | LSLPTTEEFE | DDAIKKAHIE | K.....DFI | AFCSSSTPDNV | | |
| Caspase 4 | 210 | HGILEGICGT | V..HDEKKPD | VLLYDTIFQI | FNNRNLCLSK | 248 | DKPKVIVQA | CRGANRGELW | ..VRDSPASL | EV..... | 278 | ASSQSSENLE | EDAVYKTHVE | K.....DFI | AFCSSSTPHNV | | |
| Caspase 2 | 260 | HGVEGAIYGV | D.....GK | LLQLQEVFQL | FDNANCPSLQ | 293 | NKPKMFFIQA | CRGDETRDGV | D.QQDGKNSA | G..... | 323 | ...SPGCEE | SDAGKEKLPK | MRLPTRSDMI | CGYACLKGT | | |
| Caspase 9 | 237 | HGCQASHLQF | PGAVYGTGDC | PVSVEKIVNI | FNGTSCPSLG | 277 | GKPKLFFIQA | CGGEQKDHGF | EVASTSPEDE | SPGSNPEPDA | 317 | TPFQEGRLTF | DQLDAISSLP | TPS...DIF | VSYSTFFPGFV | | |
| Caspase 6 | 121 | HGEGNHIYAY | D.....A | KIEIQTLTGL | FRGDKCHSLV | 153 | GKPKIFIIQA | CRGNQHDVVP | I.PLDVVDN. |Q | 182 | TEKLDTNITE | VDAASVYTL | AGA...DFL | MCYSVAEGYY | | |
| Caspase 3 | 121 | HGEEGIIFGT | N.....G | PVDLKKITNF | FRGDRCRSLT | 153 | GKPKLFFIQA | CRGTELDCCI | ..ETDSGVD. | ..... | 180 | ..... | .DDMACHKIP | VEA...DFL | YAYSTAPGYY | | |
| Caspase 7 | 144 | HGEENVYIGK | D.....G | VPIKDLTAH | FRGDRCKTLL | 176 | EKPFLFFIQA | CRGTELDGDI | ..QADSGPI. | ..... | 203 |ND | TDANPRYKIP | VEA...DFL | FAYSTVPGYY | | |
| Caspase 14 | 89 | HGREGFLKGE | DG.....E | MVKLENLFEA | LNNKNCQALR | 122 | AKPKVYIIQA | CRGEQRDPGE | TVGGDEIVM. | ..... | 151 | ..... | VIKDSPTIP | TYT...DAL | HVYSTVEGYI | | |
| J L | | | | | | | | | | | | | | | | | |
| Caspase 10 | 405 | SFRHVEEGSW | YIQSLCNHLK | KLVPRHEDIL | SILTAVNDDV | 445 | SRRVD.... | ..KQGTKKQMP | QPAFTLRKKL | VFPVPLDALSI | 479 | | | | | | |
| Caspase 8 | 411 | SYRNPAEGTW | YIQSLCQSLR | ERCPRGDDIL | TILTEVNYEV | 451 | SNKDD.... | ..KKNMGKQMP | QPTFTLRKKL | VFPSD | 479 | | | | | | |
| Caspase 5 | 353 | SWDRTRGSI | FITELITCFQ | KYSCC.CHLM | EIFRKYQKSF | 392 | EVPQ..... | ...AKAQMP | TIERATLTRD | FYLFPGN | 418 | | | | | | |
| Caspase 1 | 339 | SWRHPTMGVS | FIGRLIEHMQ | EYACS.CDVE | EIFRKYRFSV | 378 | EQPD..... | ...GRAQMP | TTERVTLTRC | FYLFPGH | 404 | | | | | | |
| Caspase 4 | 312 | SWRDSTMSI | FITQLITCFQ | KYSWC.CHLE | EYFRKYQKSF | 351 | ETPR..... | ...AKAQMP | TIERLSMTRY | FYLFPGN | 377 | | | | | | |
| Caspase 2 | 359 | AMRNTKRGWS | YIEALAQVFS | ERACD.MHVA | DMLVKVNALI | 398 | KDREGYAPGT | EFHRCKEMSE | YCSTLCRHL | LFPGHPPT | 435 | | | | | | |
| Caspase 9 | 353 | SWRDPKSGSW | YVETLDDIFE | QWAHS.EDIQ | SLLLRVANAV | 392 | SVKG..... | ...IYKQMP | CFNFNLRKKL | FFKTS | 416 | | | | | | |
| Caspase 6 | 218 | SHRETVNGSW | YIQDLCEMLG | KYGSS.LEFT | ELLTLVNRKV | 257 | SQRRVDFCKD | PSAIGKQVP | CFASMLTKKL | HFFPKSN | 293 | | | | | | |
| Caspase 3 | 205 | SWRNSKDGWS | FIQSLCAMLK | QYADK.LEFM | HILTRVNRKV | 244 | ATEFESFSFD | ATFHAKKQIP | CIVSMLTKEL | YFYH | 277 | | | | | | |
| Caspase 7 | 231 | SWRSPGRGWS | FVQALCSILE | EHGKD.LEIM | QLLTRVNDRV | 270 | ARHFESQSDD | PHFHEKKQIP | CVVSMLTKEL | YFSQ | 303 | | | | | | |
| Caspase 14 | 177 | AYRHDQKGS | FIQTLVDVFT | KRK...GHIL | ELLTEVTRM | 214 | AEAEVQEGK | ...ARKTNP | EIQSTLRKRL | YLQ | 242 | | | | | | |