

CrIkB 1: -----MRKSKEFKVSSSEKEKSSVPHKQGGHVRSEGTRSVVSSHSHHSFQKEYKIGYKRTMVSNQVLCDENECSSIS
 DmCactus 1: MPSPTKAAEAATKATATSDCSCSAASVPEQRAPSNAAAN-----PSSSLATSGKIGGKIQDQTAAINKQKEFAV
 Human IkB α 1: -----MFQAAE-----RPQEWAMEGPRDC-----LKKERL

CrIkB 74: YETVFDSCYSSSTSFQSSSSIIQGDNAFFDSGMSIGTSELGIHFPEHEYFIDSDFKKE---SE-----
 DmCactus 68: PNETSDSGHISGPGQ---SSQIFSEETVDPDSEEDQDKDQESAPQKEQPVVLDSGTIIDEEDDEEKEKEEHQDTTATADS
 Human IkB α 26: LDRHDSGLDSMK-----D---EE-----YEQMVKELQETRLR---POE-----

Serine rich region

CrIkB 133: -----TKCGDVDVCTKFDSSGLGTELGSDVDNALYSKEK-----TTLTPHLSETVVEDFQWQSAF
 DmCactus 145: MRLKHSADTGIPQWTVESHVLSRGEQLNNGQSSSTQITGRSKVQSSTASTGNANPSGSGATSSAPPSINIMNAWQOFY
 Human IkB α 59: -----VPRG-----SEF-----WKQQL

CrIkB 187: HODQDGTLLHLALVQETVEISLALVRFAM-HEDMLDIFNHLSQTPLHLAVLTGQYRIVRRLLVAGATVDMRDRHGNTAF
 DmCactus 225: QONDGDGTFPLHLACTSGSVDVVAALIRMAP-HPCLLNIQNDVAQTPLHLAALTAQPNIMRILLLAGAEEFVDRDRHGNTAL
 Human IkB α 71: TE--DGDSFLHLALIHEEKALTMEVIRQVKGDLAFLNFONNLQQTPLHLAVITNQPEIAEALLGAGCDPELRDFRGNTPL

Ankyrin repeat 1

Ankyrin repeat 2

CrIkB 266: HIACERGDMECLRALTTPVTENEVIEANLQYP-----VDLQYLSPDFLEHRNYEGQTCLLHLAVQGHMDVIRYLVO
 DmCactus 304: HLSCIAGEKQCVRALTEKFGATEIHEAHRQYGHRSNDKAVSLSYACLPADELRNYDGERCVHLAAEACHIDILRLVLS
 Human IkB α 149: HLACEQGCCLASVGLTQ-----SCITPHLHSLKATNRYNGHTCLHLASIHGYLGVLELVS

Ankyrin repeat 3

Ankyrin repeat 4

CrIkB 337: CDADVNGKEGKSGRTSLHLAVEAQRDDLQVQLLNTCHADVN-IQNYAGHSLHVAVSWYQLEPTCSKLNIVIIILKNHGG
 DmCactus 384: HGADINAREGKSGRTPLHIAIEGCNEDLANFLLECEKLNLETATYAGLTAYCFACIWNKSR-----MONILEKRCA
 Human IkB α 205: LGADVNAQEPNCGRTALHLAVDLQNPDLVSLLLKCGADVNV--RVTYQGYSPYQLTWGRPSTR-----IQQQLGQLTL

Ankyrin repeat 5

CrIkB 416: EPRRPPESDVDS--DSDSSGDEVRAV-----
 DmCactus 456: ETVTTPPD---S-DYDSSDIEDLDDTKMYDRFGDPRYFVSYNGGNPMTVA
 Human IkB α 275: ENIQMLPE---SEDEESYDTSEFTEFTEDELPE---YDDCVFGGQRLTL-

Pest domain