Sequences corresponding to peptide domains common to all members within gene family

A Partial Exon 2 sequence of zebrafish E4BP4 gene - 147 aa E4BP4 peptide synthesized shown in green

GCAAGCCATTAAGAAAGAGCCCCCATGCAGTGGGCCCTACGGTGGAGAGGACGCCTTGGTGCTGGCTGTAGCTTTGCAAG
GGACAGACAGGGACCTGATTAACCACAAACTGTCCACCCTACCTTTCAAGTCCAAGTCCACCAGCTGTCGCCGGAAACGTG
AGTTCATACCCGATGAGAAGAAAGACAACCTATATTGGGAGAGAAGGCGCAAGAACAATGAAGCAGCCAAGCGCTCCAGGG
AAAAGCGCAGACTAAATGACATGGTTCTGGAGAACAAGCTTATGGCCCTTGGGGAAGAGAACGCATCGCTGAAAGCTGAGC
TTTTGTCACTTAAACTCAGGTTTGGTCTAGTGAGCTCAGCCGCTTATGCTCAGGAGGTGCAGAACATCTCCACTTCCACTGC
TGCGCTCTACCAGGACTTTATGTCACCCAGTGCCACCAAGGATTCCTACCCAAGTGATCTGGAGCCAACGCGTTTGACCAGC
AGCTGCATTTCGGTCATCAAGCACTCACCTCACAGCGC

dal vlavalqgtd rdlinhklst lpfkskstsc rrkrefipde kkdnlywerr rknneaakrs rekrrlndmv lenklmalge enaslkaell slklrfglvs saayaqevqn iststaalyq dfmspsatkd sypsdleptr ltss

B Partial Exon 3 sequence of zebrafish FKD1 gene - 154 aa FKD peptide synthesized shown in blue

CCTGCCACCTGCAAACCCTCCAAAGGCATATGCTGAGATCAACTCCAGCGAACCAGAGTTTCAAGAGCTGAAATCAGTTTA
CCGGCGGACATTAAGCCATGCCAAACCGCCGTACTCCTACATCTCTCTCATCTGCATGGCCATCCAGCAGTCTCCAGCCAA
GAGACTGACTCTGAACGAGATCTACGACTGGATCCGTCAGCTCTTCCCATATTACAGACAGAATCAGCAGAGATGGCAGAA
CTCCATCCGCCATTCCCTGTCCTTCAACGACTGCTTCGTGCGTGTCCCGAGATCTCCAGACTCTCCCGGAAAAGGCTCAT
ACTGGGCTTTACACCCTGACTCCGGTAACATGTTTGAAAACGGATGCTACATGCGCCGCCAGAAGCGCTTCAAGTGTCAA
AAATCCACATCAACAGGCAAAAACTCAGAAGGAGAAGACGTGAAAGTGGAAAAGAAGAAAAGGAAGGAGATCAAGTCAGT
CAGCTCCTGTAAATCACCTACAAGTGATGCTACAAAACAG

ayaein ssepefqelk svyrrtlsha kppysyisli cmaiqqspak rltlneiydw irqlfpyyrq nqqrwqnsir hslsfndcfv rvprspdspg kgsywalhpd sgnmfengcy mrrqkrfkcq kststgknse gedvkvekkk rkeiksvs

Note: Both peptides have additional amino acids from vector pET-30a(+)