

KLF12, 1-402aa, Human, His tag, E.coli

Cat.NO.: TP02733

3th Edition

Synonyms:Krueppel-like factor 12, AP-2rep, AP2REP, HSPC122

Description:KLF12, as known as Krueppel-like factor 12, is a member of the Kruppel-like zinc finger protein family and can repress expression of the AP-2 alpha gene by binding to a specific site in the AP-2 alpha gene promoter. Activator protein-2 alpha (AP-2 alpha) is a developmentally-regulated transcription factor and important regulator of gene expression during vertebrate development and carcinogenesis. Repression by the encoded protein requires binding with a corepressor, CtBP1. Two transcript variants encoding different isoforms have been found for this gene.cers. Recombinant human KLF12 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

Molecular Weight:46.6 kDa(425aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMNIHMKRRTIKNINTFENRMLMLDGMPAVRVKTELLESEQGSPNVHNPDM
EAVPLLLNNVKGEPEDSLSDHFQTQTEPVDLSINKARTSPTAVSSSPVSMASASSPSSTSTSSSSSSRLASSPT
VITSVSSASSSSTVLTPGPLVASASGVGGQQFLHHHPVPPSSPMNLQSNKLSHVHRIPVVVQSVPVVYTAVRSPGN
VNNTIVVPLLEDGRGHGKAQMDPRGLSPRQSKSDSDDDLPNVTLDVNETGSTALSIARAVQEVHPSPVSRVRG
NRMNNQKFPCSISPFESIESTRRQRSESPDSRKRRIRHRCDFEGCNKVYTKSSHLKAHRRHTHTGEKPYKCTWEGCT
WKFARSDDELTRHYRKHTGVKPFKADCDSFSRSDHLALHRRRHMLV

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.