

Recombinant human KLF12 protein

Catalog Number: ATGP2825

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-402aa

UniProt No.

Q9Y4X4

NCBI Accession No.

NP_009180

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

46.6 kDa (425aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

Recombinant human KLF12 protein

Catalog Number: ATGP2825

expressed in E. coli.

Amino acid Sequence

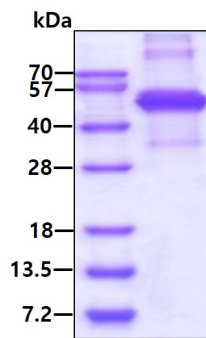
<MGSSHHHHHH SSGLVPRGSH MGS>MNIHMKR KTIKNINTE NRMLMLDGMP AVRVKTELE SEQGSPNVHN
YPDMEAVPLL LNNVKGEPPE DSLSVDHFQT QTEPVDLSIN KARTSPTAVS SSPVSMATA SSPSSTSTSS SSSSRLASSP
TVITSVSSAS SSSTVLTPGP LVASASGVGG QQFLHIIHPV PPSSPMNLQS NKLSHVHRIP VVVQSVPVY TAVRSPGNVN
NTIVVPLLED GRGHGKAQMD PRGLSPRQSK SDSDDDDLPN VTLDVNETG STALSIARAV QEVHPSPVSR VRGNRMNNQK
FPCISPFISI ESTRRQRRSE SPDSRKRIH RCDFEGCNKV YTKSSHLKAH RRTHTGEKPY KCTWEGCTWK FARSEDELTRH
YRKHTGVKPF KCADCDRSFS RSDHLALHRR RHMLV

General References

Roth C. et al. (1996) Genomics. 63:384-390.
Schuierer M. et al. (2001) J Biol Chem. 276:27944-27949.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain