

Full-Length

KLF12 (Human) Recombinant Protein

Catalog # P7676

Size 500 ug

Applications



SDS-PAGE analysis of KLF12 (Human) Recombinant Protein

Specification

Product Description

Human KLF12 (NP_009180, 1 a.a. - 402 a.a) full-length recombinant protein with His tag expressed in *Escherichia coli*.

Sequence

MGSSHHHHHHSSGLVPRGSHMGSMNIHMKRKTIKNINTFENRMLMLDGMPAVRVKTELLESEQG
SPNVHNYPDMEAVPLLLNNVKGPEPPEDSLVDHFQTQTEPVDLSINKARTSPTAVSSSPVSMATA
SASSPSSTSTSSSSSSRLASSPTVITSVSSASSSSTVLTPGPLVASASGVGGQQFLHIIHPVPPSS
PMNLQSNKLSHVHRIPVVVQSVPVVYTAVRSPGNVNNTMVPLLEDGRGHGKAQMDPRGLSPRQ
SKSDSDDDDLPNVTLDVNETGSTALSIAVAQEVHPSPVSRVRGNRMNNQKFPCSI PFSEST
RRQRRSESPDSRKRRIRHRCDFEGCNKVYTKSSHLKAHRRTHTEKPYKCTWEGCTWKFARSDE
LTRHYRKHTGVKPFKCADCDSFSRSDHLALHRRRHMLV

Host

Escherichia coli

Theoretical MW (kDa)

46.6

Form

Liquid

Preparation Method

Escherichia coli expression system

Concentration

0.5mg/mL

Purity

> 85% by SDS-PAGE

Quality Control Testing

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.
SDS-PAGE analysis of KLF12 (Human) Recombinant Protein

Recommend Usage

SDS-PAGE
Denatured
The optimal working dilution should be determined by the end user.

Storage Buffer

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

Storage Instruction

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — KLF12

Entrez GeneID

[11278](#)

Protein Accession#

[Q9Y4X4](#)

Gene Name

KLF12

Gene Alias

AP-2rep, AP2REP, HSPC122

Gene Description

Kruppel-like factor 12

Omim ID

[607531](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

Activator protein-2 alpha (AP-2 alpha) is a developmentally-regulated transcription factor and important regulator of gene expression during vertebrate development and carcinogenesis. The protein encoded by this gene 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. Repression by the encoded protein requires binding with a corepressor, CtBP1. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

AP-2 repressor|AP-2rep transcription factor|KLF12 zinc finger transcriptional repressor|OTTHUMP00000018503|OTTHUMP00000040826

Disease

- [Arthritis](#)
- [Celiac Disease](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Tobacco Use Disorder](#)
- [Wegener Granulomatosis](#)