

Recombinant human KLF4 protein

Catalog Number: ATGP1145

PRODUCT INFORMATION

Expression system

E.coli

Domain

11-395aa

UniProt No.

O43474

NCBI Accession No.

NP_004226

Alternative Names

Kruppel-like factor 4, EZF, GKLF

PRODUCT SPECIFICATION

Molecular Weight

58.1 kDa (545aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl.

Purity

> 80% by SDS-PAGE

Tag

His-Cam Tag

Application

SDS-PAGE

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

KLF4 is a transcription factor which acts as both an activator and repressor. This protein is expressed principally in erythroid tissues and found predominantly in gut. KLF4 is involved in the differentiation of epithelial cells and may also function in skeletal and kidney development. Recombinant human KLF4 protein, fused to His-CaM-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MAHHHHHHMA DQLTEEQIAE FKEAFSLFDK DGDGTITKE LGTVMRSLGQ NPTEAELQDM INEVDADGNG TIDFPEFLTM

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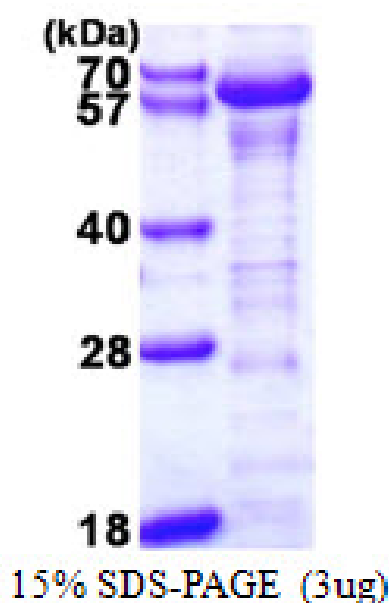
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LPRRETEEFN DLLDLDFILS NSLTHPPESV AATVSSSASA SSSSSPSSSG PASAPSTCSF TYPIRAGNDP GVAPGGTGGG
LLYGRESAPP PTAPFNLADI NDVSPSGGFV AELLRPELDP VYIPPQQQP PGGGLMGKFV LKASLSAPGS EYGSPSVISV
SKGSPDGSHP VVVAPYNGGP PRTCPKIQE AVSSCTHLGA GPPLSNGHRP AAHDFPLGRQ LPSRTTPTLG LEEVLSSRDC
HPALPLPPGF HPHPGPNYPS FLPDQMOPQV PPLHYQELMP PGSCMPEEPK PKRGRRSWPR KRTAT

General References

Deborah E., et al. (2000) Nucleic Acids Res. 28(5):1106-1113.
Janiel M., et al. (1996) J Biol Chem. 271(33):20009-20017.

DATA

SDS-PAGE



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