

Recombinant human KLF4 protein

Catalog Number: ATGP3009

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

44.2 kDa (422aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

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

KLF4 also known as Kruppel-like factor4. 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, was expressed in E. coli

Amino acid Sequence

<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSM>AVS DALLPSFSTF ASGPAGREKT LRQAGAPNNR

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WREELSHMKR LPPVLPGRPY DLAAATVATD LESGGAGAAC GGSNLAPLPR RETEEFNDDL DLDFILSNLS THPPESVAAT
VSSASASSS SSPSSSGPAS APSTCSFTYP IRAGNDPGVA PGGTGGGLLY GRESAPPPTA PFNLADINDV SPSSGGFVAEL
LRPELDPVYI PPQQPQPPGG GLMGKFVLKA SLSAPGSEYG SPSVISVSKG SPDGSHPVVV APYNGGPPRT CPKIKQEAVS
SCTHLGAGPP LSNHRPAAH DFPLGRQLPS RTTPTLGLLE VLSSRDCHPA LPLPPGFHPH PGPNYPSFLP DQMOPQVPPL
HYQELMPPGS CMPEEPKPKR GRRSWPRKRT AT

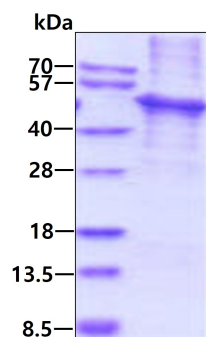
General References

Wei X., et al (2007). Cancer Res. 67:1853-1858.

Zhang P., et al (2010). J. Biol. Chem. 285:9180-9189.

DATA

SDS-PAGE



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