

Product information

KLF4, 11- 395 aa

Human, His-CaM tagged, Recombinant, *E.coli*

Cat. No. IBATGP1145

Full name: Kruppel-like factor 4.

NCBI Accession No.: NP_004226

Synonyms: EZF, GKLF.

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.

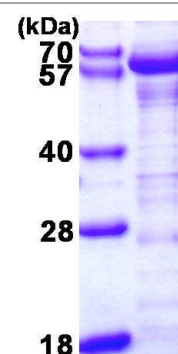
Form: Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol,

1mM DTT, 0.1M NaCl.

Molecular Weight: 58.1 kDa (545aa)

Purity: > 80 % by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MAHHHHHHMA DQLTEEQIAE FKEAFSLFDK DGDGTITTKE LGTVMRSLGQ NPTEAELQDM INEVDADGNG TIDFPEFLTM MARKMKDQDS
 EEEIREAFRV FDKDNGYIS ADELHVMTN LGEKLTDEEV DEMIREADID GDGQVNYEEF VQMMTAKGSM AVSDALLPSF STFASGPAGR
 EKTLRQAGAP NNRWREELSH MKRLPPVLPQ RPYDLAAATV ATDLESGGAG AACGGSNLAP LPRRETEEFN DLLDLDFILS NSLTHPPESV
 AATVSSSASA SSSSSPSSSG PASAPSTCSF TYPIRAGNDP GVAPGGTGGG LLYGRESAPP PTAPFNLADI NDVSPSGGFV AELLRPELDP
 VYIPQPPQP PGGGLMGKFV LKASLSAPGS EYGSPSVISV SKGSPDGSHV VVAPYNGGP PRTCPKIKQE AVSSCTHLGA GPPLSNNGHRP
 AAHDFPLGRQ LPSRTTPTLG LEEVLSSRDC HPALPLPPGF HPHGPNYPS FLPDQMPPQV 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.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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