

## Recombinant Human KLF4, His CaM-tagged

**Cat. No.** KLF4-3567H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human KLF4 protein, fused to His-CaM-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (11-395aa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	11-395 a.a.
<b>Description</b>	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.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl.
<b>Molecular Mass</b>	58.1 kDa (545aa)
<b>Purity</b>	> 80 % by SDS-PAGE
<b>Concentration</b>	1 mg/ml (determined by Bradford assay )
<b>Sequences of amino</b>	MAHHHHHHMA DQLTEEQIAE FKEAFSLFDK DGDGTITTK E LGTVMRSLGQ

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**acids**

NPTEAELQDM INEVDADGNG TIDFPEFLTM MARKMKDSTS EEEIREAFRV  
 FDKDNGYIS AAELRHVMTN LGEKLTDEEV DEMIREADID GDGQVNYEEF  
 VQMMTAKGSM AVSDALLPSF STFASGPAGR EKTLRQAGAP NNRWREELSH  
 MKRLPPVLPG RPYDLAAATV ATDLESGGAG AACGGSNLAP LPRRETEEFN  
 DLLDLDFILS NSLTHPPESV AATVSSSSASA SSSSSPSSSG PASAPSTCSF  
 TYPIRAGNDP GVAPGGTGGG LLYGRESAPP PTAPFNLADI NDVSPSGGFV  
 AELLRPELDP VYIPPQQQPQ PGGGLMGKFV LKASLSAPGS EYGSPSVISV  
 SKGSPDGSHV VVAPYNGGP PRTCPKIKQE AVSSCTHLGA GPPLSNGHRP  
 AAHDFPLGRQ LPSRTTPTLG LEEVLSSRDC HPALPLPPGF HPHPGPNYPS  
 FLPDQMOPV PPLHYQELMP PGSCMPEEPK PKRGRRSWPR KRTAT

**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.

## GENE INFORMATION

**Gene Name**

[KLF4 Kruppel-like factor 4 \(gut\) \[ Homo sapiens \]](#)

**Official Symbol**

[KLF4](#)

**Synonyms**

KLF4; Kruppel-like factor 4 (gut); EZF; GKLF; Epithelial zinc finger protein EZF; Gut-enriched krueppel-like factor; endothelial Kruppel-like zinc finger protein; Krueppel-like factor 4

**Gene ID**

[9314](#)

**mRNA Refseq**

[NM\\_004235](#)

**Protein Refseq**


[NP\\_004226](#)

**MIM**

[602253](#)

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<b>UniProt ID</b>	O43474
<b>Chromosome Location</b>	9q31
<b>Function</b>	DNA binding; RNA polymerase II transcription factor binding; metal ion binding; promoter binding; sequence-specific DNA binding transcription factor activity; sequence-specific DNA binding transcription factor recruiting transcription factor activity; transcription activator activity; transcription activator activity; transcription repressor activity; zinc ion binding

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