

Recombinant Human KLF4, His-tagged

Cat. No. KLF4-29898TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human KLF4 (amino acids 11-395) with an N terminal His-CaM tag; 545aa, 58.1kDa inclusive of tags.
Species	Human
Source	E.coli
ProteinLength	385 amino acids
Description	Krueppel-like factor 4 is a protein that in humans is encoded by the KLF4 gene.. In embryonic stem cells (ESCs), KLF4 has been demonstrated to be a good indicator of stem-like capacity.
Conjugation	HIS
Molecular Weight	58.100kDa inclusive of tags
Form	Liquid
Purity	by SDS-PAGE
Storage buffer	pH: 8.00Constituents:0.32% Tris HCl, 10% Glycerol, 0.02% DTT, 0.58% Sodium chloride
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid

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repeated freeze / thaw cycles.

Sequences of amino acids

MAHHHHHHMADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMRS LGQNPTAE
 LQDMINEVDADGNGTIDFPEFLTMMARKMKD TDSEEEI REAFRVFDKDGNGYISAAE
 LRHVMTNLGEKLTDEEVDEMIREADIDGDGQVNYEEFVQMMTAKGSM AVSDALLPS
 FSTFASGPAGREKTLRQAGAPNNRWREELSHMKRLPPVLPGRPYDLAAATVATDLE
 SGGAGAACGGSNLAPLPRRETEEFNDLLDLFILSNLTHPPESVAATVSSSASASS
 SSSPSSSGPASAPSTCSFTYPIRAGNDPGVAPGGTGGGLLYGRESAPPPTAPFNLA
 DINDVSPSGGFVAELLRPELDPVYIPPQQPQPPGGGLMGK FVLKASLSAPGSEYGS
 PSVISVSKGSPDGSHPVVVAPYNGGPPRTCPKIKQEAVSSCTHLGAGPPLSNGHRP
 AAHDFPLGRQLPSRTTPTLGL EEVLSSRDCHPALPLPPGFHPHPGNYP SFLPDQM
 QPQVPPLHYQELMPPGSCMPEEPKPKRGRRSWPRKRTAT

Sequence Similarities

Belongs to the krueppel C2H2-type zinc-finger protein family. Contains 3 C2H2-type zinc fingers.

GENE INFORMATION

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

Official Symbol [KLF4](#)

Synonyms [KLF4](#); [Kruppel-like factor 4 \(gut\)](#); [Krueppel-like factor 4](#); [EZF](#); [GKLF](#);

Gene ID [9314](#)

mRNA Refseq [NM_004235](#)

Protein Refseq [NP_004226](#)

MIM [602253](#)

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Uniprot ID	O43474
Chromosome Location	9q31
Pathway	Developmental Biology, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific biosystem; Synthesis, Secretion, and Deacylation of Ghrelin, organism-specific biosystem; Transcriptional Regulation of White Adipocyte Differentiation, organism-specific biosystem;
Function	DNA binding; RNA polymerase II transcription factor binding; RNA polymerase II transcription factor binding; double-stranded DNA binding; metal ion binding;

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