Recombinant Human KLF4

Cat. No. KLF4-29901TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 10-479 of Human KLF4 Isoform 2 with a 13 amino acid C terminal TAT peptide, expressed in HEK 293 cells; 483 amino acids, MWt 51.7 kDa.
Species	Human
ProteinLength	10-479 a.a.
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.
Form	Lyophilised:Centrifuge the vial prior to opening. Reconstitute in waterto a concentration of 0.1-1.0 mg/ml. Do not vortex. Thissolution can be stored at 2-8&degC; for up to 1 week. Forextended storage, it is recommended to further dilute in abuffer contai
Purity	>90% by SDS-PAGE
Sequences of amino acids	MAVSDALLPS FSTFASGPAG REKTLRQAGA PNNRWREELS HMKRLPPVLP GRPYDLAAAT VATDLESGGA GAACGGSNLA PLPRRETEEF NDLLDLDFIL SNSLTHPPES VAATVSSSAS ASSSSSPSSS GPASAPSTCS FTYPIRAGND PGVAPGGTGG GLLYGRESAP PPTAPFNLAD INDVSPSGGF VAELLRPELD PVYIPPQQPQ PPGGGLMGKF VLKASLSAPG SEYGSPSVIS VSKGSPDGSH PVVVAPYNGG PPRTCPKIKQ EAVSSCTHLG AGPPLSNGHR PAAHDFPLGR

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	QLPSRTTPTL GLEEVLSSRD CHPALPLPPG FHPHPGPNYP SFLPDQMQPQ VPPLHYQELM PPGSCMPEEP KPKRGRRSWP RKRTATHTCD YAGCGKTYTK SSHLKAHLRT HTGEKPYHCD WDGCGWKFAR SDELTRHYRK HTGHRPFQCQ KCDRAFSRSD HLALHMKRHF GGYGRKKRRQ RRR
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
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

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	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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