

Recombinant Human KLF5 protein, His-tagged

Cat. No. KLF5-134H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLF5(Asp216~Asn457) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asp216~Asn457
Description	This gene encodes a member of the Kruppel-like factor subfamily of zinc finger proteins. The encoded protein is a transcriptional activator that binds directly to a specific recognition motif in the promoters of target genes. This protein acts downstream of multiple different signaling pathways and is regulated by post-translational modification. It may participate in both promoting and suppressing cell proliferation. expression of this gene may be changed in a variety of different cancers and in cardiovascular disease. Alternative splicing results in multiple transcript variants.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300
Molecular Mass	30.9kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%

 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

Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	KLF5 Kruppel-like factor 5 (intestinal) [Homo sapiens]
Official Symbol	KLF5
Synonyms	KLF5; Kruppel-like factor 5 (intestinal); BTEB2; Krueppel-like factor 5; CKLF; IKLF; BTE-binding protein 2; GC box binding protein 2; GC-box-binding protein 2; colon kruppel-like factor; colon krueppel-like factor; transcription factor BTEB2; intestinal-enriched kruppel-like factor; intestinal-enriched krueppel-like factor; basic transcription element binding protein 2; basic transcription element-binding protein 2;
Gene ID	688
mRNA Refseq	NM_001730
Protein Refseq	NP_001721
MIM	602903

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UniProt ID	Q13887
Chromosome Location	13q21.3
Pathway	Adipogenesis, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Transcriptional Regulation of White Adipocyte Differentiation, organism-specific biosystem;
Function	DNA binding; metal ion binding; sequence-specific DNA binding transcription factor activity; zinc ion binding;

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