

## Recombinant Human KLF5 protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human KLF5(Asp216~Asn457) fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Asp216~Asn457
<b>Description</b>	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.
<b>Form</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300
<b>Molecular Mass</b>	30.9kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	> 95%

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<b>Applications</b>	SDS-PAGE; WB; ELISA; IP
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Reconstitution</b>	Reconstitute in PBS or others.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">KLF5 Kruppel-like factor 5 (intestinal) [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">KLF5</a>
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">688</a>
<b>mRNA Refseq</b>	<a href="#">NM_001730</a>
<b>Protein Refseq</b>	<a href="#">NP_001721</a>
<b>MIM</b>	<a href="#">602903</a>

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

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