

Recombinant Human KLF6, His-tagged

Cat. No. KLF6-5054H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KLF6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	KLF6, also known as Krueppel-like factor 6, is a nuclear protein that has three zinc fingers. The zinc fingers of this protein are responsible for the specific DNA binding with the guanine-rich core promoter elements. The central region might be involved in activation or posttranslational regulatory pathways, and the acidic N-terminal domain might play an important role in the process of transcriptional activation. It is capable of activating transcription approximately 4-fold either on homologous or heterologous promoters.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 1mM DTT
Molecular Mass	34.3 kDa(306aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSM DVLP MC SIFQELQIVH ETGYFSALPS LEEYWQQTCL ELERYLQSEP CYVSASEIKF DSQEDLWTKI ILAREKKEES ELKISSSPPE DTLISPSFCY NLETNSLNSD VSSESSDSSE ELSPTAKFTS DPIGEVLVSS GKLSSSVTST PPSSPELSRE PSQLWGCVPG ELPSPGKVRS GTSGKPGDKG NGDASPDGRR RVHRCHFNGC RKVYTKSSHL KAHQRTHTGE KPYRCSWEGC EWRFARSD EL TRHFRKHTGA KPFKCSHCDR CFSRSDHLAL

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	HMKRHL
Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	KLF6 Kruppel-like factor 6 [Homo sapiens]
Official Symbol	KLF6
Synonyms	KLF6; Kruppel-like factor 6; BCD1, COPEB, core promoter element binding protein , ST12; Krueppel-like factor 6; CPBP; GBF; GC rich binding factor; PAC1; Zf9; proto-oncogene BCD1; GC-rich binding factor; B-cell-derived protein 1; transcription factor Zf9; protooncogene B-cell derived 1; GC-rich sites-binding factor GBF; Kruppel-like zinc finger protein Zf9; core promoter element binding protein; core promoter element-binding protein; suppressor of tumorigenicity 12 protein; suppression of tumorigenicity 12 (prostate); ZF9; BCD1; CBA1; ST12; COPEB; DKFZp686N0199;
Gene ID	1316
mRNA Refseq	NM_001160124
Protein Refseq	NP_001153596

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MIM	602053
UniProt ID	Q99612
Chromosome Location	10p15
Pathway	Adipogenesis, organism-specific biosystem;
Function	DNA binding; double-stranded DNA binding; metal ion binding; sequence-specific DNA binding transcription factor activity; zinc ion binding;

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