Recombinant Human Kruppel-like factor 6, His-tagged

Cat. No. KLF6-453H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KLF6, 1-283aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-283 a.a.
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. Recombinant human KLF6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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 MGSMDVLPMC SIFQELQIVH ETGYFSALPS LEEYWQQTCL ELERYLQSEP CYVSASEIKF DSQEDLWTKI ILAREKKEES ELKISSSPPE DTLISPSFCY NLETNSLNSD VSSESSDSSE ELSPTAKFTS DPIGEVLVSS GKLSSSVTST PPSSPELSRE PSQLWGCVPG ELPSPGKVRS

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

	GTSGKPGDKG NGDASPDGRR RVHRCHFNGC RKVYTKSSHL KAHQRTHTGE KPYRCSWEGC EWRFARSDEL TRHFRKHTGA KPFKCSHCDR CFSRSDHLAL HMKRHL
Purity	>85% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. 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

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

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;

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