

## Recombinant Human KLF6, His-tagged

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

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant human KLF6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | E.coli  |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 1mM DTT  |
| <b>Molecular Mass</b>   | 34.3 kDa(306aa) confirmed by MALDI-TOF  |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MGSM DV LPMC SIFQELQIVH ETGYFSALPS<br>LEEYWQQTCL ELERYLQSEP CYVSASEIKF DSQEDLWTKI ILAREKKEES<br>ELKISSSPPE DTLISPSFCY NLETNSLNSD VSSESSDSSE ELSPTAKFTS<br>DPIGEVLVSS GKLSSSVTST PPSSPELSRE PSQLWGCVPG ELPSPGKVRS<br>GTSGKPGDKG NGDASPDGRR RVHRCHFNGC RKVYTKSSHL KAHQRTHTGE<br>KPYRCSWEGC EWRFARSDDEL TRHFRKHTGA KPFKCSHCDR CFSRSDHLAL   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |   |
|-------------------------|---|
|                         | HMKRHL  |
| <b>Purity</b>           | >85% by SDS - PAGE  |
| <b>Applications</b>     | SDS-PAGE  |
| <b>Storage</b>          | 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.   |
| <b>Concentration</b>    | 1 mg/ml (determined by Bradford assay)  |
| <b>GENE INFORMATION</b> |   |
| <b>Gene Name</b>        | <a href="#">KLF6 Kruppel-like factor 6 [ Homo sapiens ]</a>   |
| <b>Official Symbol</b>  | KLF6  |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | <a href="#">1316</a>  |
| <b>mRNA Refseq</b>      | <a href="#">NM_001160124</a>  |
| <b>Protein Refseq</b>   | <a href="#">NP_001153596</a>  |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



|                            |   |
|----------------------------|---|
| <b>MIM</b>                 | 602053  |
| <b>UniProt ID</b>          | Q99612  |
| <b>Chromosome Location</b> | 10p15   |
| <b>Pathway</b>             | Adipogenesis, organism-specific biosystem;  |
| <b>Function</b>            | 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](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA