Recombinant human KLF6 protein

Catalog Number: ATGP2550

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-283aa

UniProt No.
Q99612

NCBI Accession No.
NP_001291

Alternative Names
Kruppel-like factor 6, Kruppel-like factor 6, B-cell-derived protein 1, BCD1, CBA1, COPEB, CPBP, Kruppel like factor 6, core promoter element binding protein,GBF, GC-rich binding factor, PAC1, Zf9

PRODUCT SPECIFICATION

Molecular Weight
34.3 kDa (306aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1mM DTT

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Amino acid Sequence

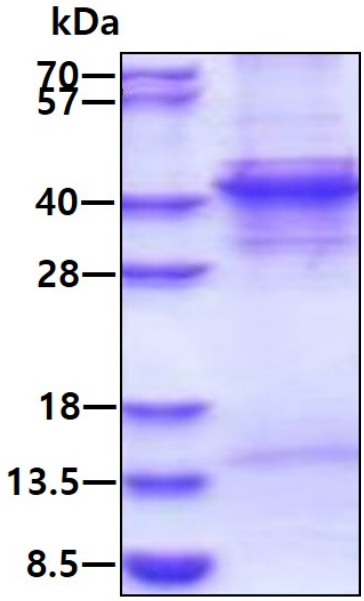
<MGSSHHHHHH SSGLVPRGSH MGS>MDVLPMC SIFQELQIVH ETGYFSALPS LEEYWQQTCL ELERYLQSEP CYVSASEIKF DSQEDLWTKI ILAREKKEES ELKISSSPPE DTLISPSFCY NLETNSLNSD VSSESSDSSE ELSPTAKFTS DPIGEVLVSS GKLSSSVTST PPSSPELSRE PSQLWGCVPG ELPSPGKVRS GTSGKPGDKG NGDASPDGRR RVHRCHFNGC RKVYTKSSHL KAHQRTHTGE KPYRCSWEGC EWRFARSDEL TRHFRKHTGA KPFKCSHCDR CFSRSDHLAL HMKRHL

General References

Narla G. et al. (2003) Am J Pathol. 162:1047-1052.
Narla G. et al. (2001) Science. 294:2563-2566

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.