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AR51370PU-S Human KLF6 (1-283, His-tag) - Purified

Alternate names: B-cell-derived protein 1, BCD1, COPEB, CPBP, Core promoter element-binding protein, GC-rich sites-binding factor GBF, KLF6, Krueppel-like factor 6, Proto-oncogene BCD1, ST12, Transcription factor Zf9

Quantity: 50 µg

Concentration: 1.0 mg/ml (determined by Bradford assay)

Background: 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.

Uniprot ID: Q99612

NCBI: NP_001291

GeneID: 1316

Species: Human

Source: E. coli

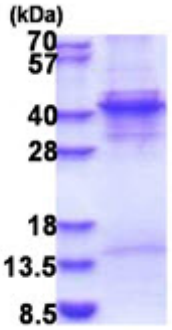
Format:
State: Liquid purified protein
Purity: >85% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol 1mM DTT

Description: Recombinant human KLF6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSMDVLPMC 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
Molecular weight: 34.3 kDa (306aa) confirmed by MALDI-TOF

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

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

Pictures:



15% SDS-PAGE (3ug)