

KLF6, 1-283aa, Human, His tag, E.coli

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3th Edition

Synonyms: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

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMVDLPMCSIFQELQIVHETGYFSALPSLEEYWQQTCLELERYLQSEPCYVSA
SEIKFDSQEDLWTKIILAREKKEESELKISSSPEDTLISPSFCYNLETNSLNSDVSSSESSDSSEELSPTAKFTSDPIGE
VLVSSGKLSSSVTSTPPSSPELSREPSQLWGCVPGELPSPGKVRSGTSGKPGDKGNGDASPDGRRRVHRCHFNG
CRKVYTKSSHLKAHQRTHTGEKPYRCSWEGCEWRFARSDDELTRHFRKHTGAKPFKCSHCDCFRSDHLALHMK
RHL

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.