
Product Data Sheet

Product Name: KLF6 Human

Cat. No.: GP23752

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Krueppel-like factor 6; B-cell-derived protein 1; Core promoter element-binding protein; GC-rich sites-binding factor GBF; Proto-oncogene BCD1; Suppressor of tumorigenicity 12 protein; Transcription factor Zf9; KLF6; BCD1; COPEB; CPBP; ST12.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMDVLPMC SIFQELQIVH ETGYFSALPS LEEYWQQTCL ELERYLQSEP CYVSASEIKF DSQEDLWTKI ILAREKKEES ELKISSSPPE DTLISPSFCY NLETNSLNSD VSSESSDSSE ELSPTAKFTS DPIGEVLVSS GKLSSSVTST PPSSPELSRE PSQLWGCVPG ELPSPGKVRS GTSKGPGDKG NGDASPDGRR RVHRCHFNGC RKVYTKSSHL KAHQRTHTGE KPYRCSWEGC EWRFARSDEL TRHFRKHTGA KPFKSHCDR CFSRSDHLAL HMKRHL.		
Formulation	The KLF6 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 1mM DTT.		

Introduction

Kruppel-Like Factor 6 (KLF6) is a nuclear protein which has 3 zinc fingers. The zinc fingers of KLF6 are accountable for the specific DNA binding with the guanine-rich core promoter factors. The central region is involved in activation or posttranslational regulatory pathways, and the acidic N terminal domain takes part in the process of transcriptional activation.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

KLF6 Human Recombinant produced in E. coli is a single polypeptide chain containing 306 amino acids (1-283) and having a molecular mass of 34.3kDa. KLF6 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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