
Product Data Sheet

Product Name: KLF12 Human

Cat. No.: GP23754

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	AP-2rep; AP2REP; HSPC122; Krueppel-like factor 12; Transcriptional repressor AP-2rep.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMNIHMKR KTIKNINTFE NRMLMLDGMP AVRVKTELLE SEQGSPNVHNYPDMEAVPLL LNNVKGEPPE DSLSVDHFQT QTEPVDLSIN KARTSPTAVS SSPVSM TASA SSPSSTSTSSSSSSRLASSP TVITSVSSAS SSSTVLTPGP LVASASGVGG QQFLHIIHPV PPSSPMNLQS NKLSHVHRIP VVVQSVPVVY TAVRSPGNVNNTIVVPLLED GRGHGKAQMD PRGLSPRQSK SDSDDDDLPN VTLDSVNETG STALSIARAV QEVHPSPVSRVRGNRMNNQK FPCSISPFSI ESTRRQRRSE SPDSRKRRIH RCDFEGCNKV YTKSSHLKAH RRTHTGEKPY KCTWEGCTWK FARSEDELTRH YRKHTGVKPF KCADCDSFSRSDHLALHRR RHMLV.		
Formulation	KLF12 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer, (pH8.0), 10% glycerol and 0.4M Urea.		

Introduction

Krueppel-like factor 12 (KLF12) belongs to the Kruppel-like zinc finger protein family and can repress expression of the AP-2 alpha gene by binding to a particular site in the AP-2 alpha gene promoter. AP-2 alpha (Activator protein-2 alpha) is a developmentally-regulated transcription factor and vital regulator of gene expression during vertebrate development and carcinogenesis. KLF12 gene repression entails binding with a corepressor, CtBP1.

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%

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

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

KLF12 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 425 amino acids (1-402 a.a) and having a molecular mass of 46.6kDa. KLF12 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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