9051 Mira Mesa Blvd, #910094
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KLF12 Human

Kruppel-Like Factor 12 Human Recombinant
RCP1169

Product Overview

Name	KLF12 Human
Description	
Kruppel-Like Factor 12 Human Recombinant	
Accession (Primary)	Q9Y4X4
Synonyms	
AP-2rep, AP2REP, HSPC122, Krueppel-like factor 12, Transcriptional repressor AP-2rep.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
KLF12 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer, (pH8.0) ,10% glycerol and 0.4M Urea.	
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.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MNIHMKR KTIKNINTFE NRMLMLDGMP AVRVKTELLE SEQGSPNVHN YPDMEAVPLL LNNVKGEPPE DSLSVDHFQT QTEPVDLSIN KARTSPTAVS SSPVSMTASA SSPSSTSTSS SSSSRLASSP TVITSVSSAS SSSTVLTPGP LVASASGVGG QQFLHIIHPV PPSSPMNLQS NKLSHVHRIP VVVQSVPVVY TAVRSPGNVN NTIVVPLLED GRGHGKAQMD PRGLSPRQSK SDSDDDDLPN VTLDSVNETG STALSIARAV QEVHPSPVSR VRGNRMNNQK FPCSISPFSI ESTRRQRRSE SPDSRKRRIH RCDFEGCNKV	

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YTKSSHLKAH RRTHTGEKPY KCTWEGCTWK FARSDELTRH YRKHTGVKPF KCADCDRSFS RSDHLALHRR RHMLV.

Precautions

KLF12 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9Y4X4)