
Product Data Sheet

Product Name: LMX1B Human
 Cat. No.: GP23827
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	LIM homeobox transcription factor 1; beta; LMX1.2; NPS1; LIM/homeobox protein 1.2; LIM/homeobox protein LMX1B; LMX1B.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMDIATGP ESLERCFPRG QTDCAKMLDG IKMEEHALRP GPATLGVLLG SDCPHPAVCE GCQRPISDRF LMRVNESSWH EECLQCAACQ QALTTSCYFR DRKLYCKQDY QQLFAAKCSG CMEKIAPTEF VMRALECVYH LGCFCCCVCE RQLRKGDEFV LKEGQLLCKG DYEKEKDLLS SVSPDES DSV KSEDEDGDMK PAKGQGSQSK GSGDDGKDPR RPKRPRTILT TQRRRAFKAS FEVSSKPCRK VRETLAAETG LSVRVVQVWF QNQRAKMKKL ARRHQQQQEQ QNSQRLGQEV LSSRMGMMA SYTPLAPPQQ QIVAMEQSPY GSSDPFQQGL TPPQMPGNDS IFHDIDS DTS LTSLSDCFLG SSDVGS LQAR VGNPIDRLYS MQSSYFAS.		
Formulation	LMX1B protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.		

Introduction

LIM Homeobox Transcription Factor 1, Beta (LMX1B) is a part of LIM-homeodomain family of proteins which consists of 2 N-terminal zinc-binding LIM domains, 1 homeodomain, and a C-terminal glutamine-rich domain. LMX1B plays a role as a transcription factor and is necessary for the specification of dorsal limb fate at the zeugopodal and autopodal levels. Mutations in LMX1B are associated with nailpatella syndrome.

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.

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Background

LMX1B Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 418 amino acids (1-395a.a) and having a molecular mass of 46.5kDa. LMX1B is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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