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LMX1B Human

LIM Homeobox Transcription Factor 1, Beta Human Recombinant
RCP1257

Product Overview

Name	LMX1B Human

Description

LIM Homeobox Transcription Factor 1, Beta Human Recombinant

Accession (Primary)	O60663

Synonyms

LIM homeobox transcription factor 1, beta, LMX1.2, NPS1, LIM/homeobox protein 1.2, LIM/homeobox protein LMX1B, LMX1B.

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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

LMX1B protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 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 80.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MDIATGP ESLERCFPRG QTDCAKMLDG IKMEEHALRP GPATLGVLLG SDCPHPAVCE GCQRPISDRF LMRVNESSWH EECLQCAACQ QALTTSCYFR DRKLYCKQDY QQLFAAKCSG CMEKIAPTEF VMRALECVYH LGCFCCCVCE RQLRKGDEFV LKEGQLLCKG DYEKEKDLLS SVSPDESDSV KSEDEDGDMK PAKGQGSQSK GSGDDGKDPR RPKRPRTILT TQQRRAFKAS FEVSSKPCRK VRETLAAETG

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LSVRVVQVWF QNQRAKMKKL ARRHQQQQEQ QNSQRLGQEV LSSRMEGMMA SYTPLAPPQQ QIVAMEQSPY GSSDPFQQGL TPPQMPGNDS IFHDIDSDTS LTSLSDCFLG SSDVGSLQAR VGNPIDRLYS MQSSYFAS.

Precautions

LMX1B Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O60663)