

## 32-4121: Recombinant Human LIM Homeobox Transcription Factor 1, Beta

**Alternative Name :** LIM homeobox transcription factor 1,beta,LMX1.2,NPS1,LIM/homeobox protein 1.2,LIM/homeobox protein LMX1B,LMX1B.

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 80.0% as determined by SDS-PAGE.  
**Content :** LMX1B protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMDIATGP ESLERCFPRG QTDCAKMLDG IKMEEHALRP  
GPATLGVLLG SDCPHPAVCE GCQRPISDRF LMRVNESSWH EECLQCAACQ QALTTSYFR  
DRKLYCKQDY QQLFAAKCSG CMEKIAPTEF VMRALECVYH LGCFCCCVC E RQLRKGDEFV  
LKEGQLLCKG DYEKEKDLLS SVSPDES DSV KSEDEDGDMK PAKGQGSQSK GSGDDGKDPR  
RPKRPR TILT TQRRRAFKAS FEVSSKPCRK VRETLAAETG LSVRVVQVWF QNQRAKMKKL  
ARRHQQQEQ QNSQRLGQEV LSSRMEGMMA SYTPLAPPQQ QIVAMEQSPY GSSDPFQQGL  
TPPQMFGNDS IFHDIDS DTS LTSLSDCFLG SSDVGS LQAR VGNPIDRLYS MQSSYFAS.

