

LIM Homeobox Transcription Factor 1, Beta Human Recombinant

Item Number	rAP-4178
Synonyms	LIM homeobox transcription factor 1, beta, LMX1.2, NPS1, LIM/homeobox protein 1.2, LIM/homeobox protein LMX1B, LMX1B.
Description	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.
Uniprot Accession Number	O60663
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSMDIATGP ESLERCFPRG QTDCAKMLDG IKMEEHALRP GPATLGVLG SDCPHPAVCE GCQRPISDRF LMRVNESSWH EECLQCAACQ QALTTCYFR DRK- LYCKQDY QQLFAAKCSG CMEKIAPTEF VMRALECVYH LGCFCCCVCE RQLRKGDEFV LKEGQLLCKG DYEKEKDLLS SVSPDES DSV KSEDEDGDMK PAKGQGSQSK GSGDDGKDPR RPKRPRTILT TQQR- RAFKAS FEVSSKPCRK VRETAAETG LSVRVVQVWF QNQRAKMKKL ARRHQQQEQ QNSQRLGQEV LSSRMEGMMMA SYTPLAPPQQ QIVAMEQSPY GSSDPFQQGL TPPQMPGNDS IFHDIDS DTS
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	LMX1B protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea. Greater than 80.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**