

AR51550PU-N

Human LMX1B (1-395, His-tag) - Purified

Alternate names:	LIM homeobox transcription factor 1-beta, LIM/homeobox protein 1.2, LIM/homeobox protein LMX1B, LMX-1.2, LMX1B
Quantity:	0.5 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	LMX1B is a member of LIM-homeodomain family of proteins containing two N-terminal zinc-binding LIM domains, 1 homeodomain, and a C-terminal glutamine-rich domain. It functions as a transcription factor, and is essential for the normal development of dorsal limb structures, the glomerular basement membrane, the anterior segment of the eye, and dopaminergic and serotonergic neurons. Mutations in this gene are associated with nail-patella syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Uniprot ID:	O60663
NCBI:	NP_002307
GenelD:	4010
Species:	Human
Source:	E. coli
Format:	Purity: >80% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Description:	Recombinant human LMX1B protein, fused to His-tag at N-terminus, was expressed in E.coli . AA Sequence: MGSSHHHHH SSGLVPRGSH MGSMDIATGP ESLERCFFRG QTDCAKMLDG IKMEEHALRP GPATLGVLG SDCPHPAVCE GCQRPISDRF LMRVNESSWH EECLQCAACQ QALTTSCYFR DRKLYCKQDY QQLFAAKCSG CMEKIAPTEF VMRALECVYH LGCFCCCVCE RQLRKGDDEFV LKEGQLLCKG DYEKEKDLLS SVSPDES DSV KSEDEDGDMK PAKGQGSQSK GSGDDGKDPR RPKRPRITLT TQQRRAFKAS FEVSSKPCRK VRETLLAETG LSVRVVQVWF QNQRAMKKL ARRHQQQQEQ QNSQRLGQEV LSSRMEGMMMA SYTPLAPPQQ QIVAMEQSPY GSSDPFQQGL TPPQMPGNDS IFHDIDS DTS LTSLSDCFLG SSDVGS LQAR VGNPIDRLYS MQSSYFAS Molecular weight: 46.5 kDa (418 aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Vollrath D., Jaramillo-babb V L., et al. (1998). Hum. Mol. Genet. 7:1091-1098

Pictures:

