

## Product datasheet for **AR51550PU-S**

### LMX1B (1-395, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	LMX1B (1-395, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA 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 RPKRPRILT TQRRAFKAS FEVSSKPCRK VRETAAETG LSVRVVQWVF QNQRAKMKKL ARRHQQQEQ QNSQRLGQEV LSSRMEGMMA SYTPLAPPQQ QIVAMEQSPY GSSDPFQQGL TPPQMPGNDS IFHDIDS DTS LTSLSDCFLG SSDVGS LQAR VGNPIDRLYS MQSSYFAS
Tag:	His-tag
Predicted MW:	46.5 kDa
Concentration:	lot specific
Purity:	>80% by SDS - PAGE
Buffer:	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Protein Description:	Recombinant human LMX1B protein, fused to His-tag at N-terminus, was expressed in E.coli .
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001167617</a>
Locus ID:	4010
UniProt ID:	<a href="#">B7ZLH2</a>
Cytogenetics:	9q33.3



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**Synonyms:** LMX1B, LIM homeobox transcription factor 1-beta, LIM/homeobox protein LMX1B, LIM/homeobox protein 1.2, LMX-1.2

**Summary:** This gene encodes 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. [provided by RefSeq, Mar 2010]

**Protein Families:** Transcription Factors

**Product images:**

