

Datasheet for ABIN7549066  
**LMX1B Protein (AA 1-402) (His tag)**



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## Overview

Quantity:	1 mg
Target:	LMX1B
Protein Characteristics:	AA 1-402
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LMX1B protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant LMX1B Protein expressed in mammalian cells.
Sequence:	MDIATGPESL ERCFPRGQTD CAKMLDGIKM EEHALRPGPA TLGVLLGSDC PHPAVCEGCQ RPISDRFLMR VNESSWHEEC LQCAACQQAL TTSCYFRDRK LYCKQDYQQL FAAKCSGCME KIAPTEFVMR ALECVYHLGC FCCVCERQL RKGDEFVLKE GQLLCKGDYE KEKDLLSSVS PDESDSVKSE DEDGDMKPAK GQGSQSKGSG DDGKDPRRPK RPRTILTTQQ RRAFKASFEV SSKPCRKVRE TLA AETGLSV RVVQVWFQNQ RAKMKKLARR HQQQEQQNS QRLGQEVLS RMEGMMASYT PLAPPQQIV AMEQSPYGSS DPFQQGLTPP QMPGDHMPY GNDSIFHDID SDTSLTSLSD CFLGSSDVGS LQARVGNPID RLYSMQSSYF AS <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

## Product Details

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

### Grade:

custom-made

## Target Details

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### Target:

LMX1B

### Alternative Name:

LMX1B ([LMX1B Products](#))

### Background:

LIM homeobox transcription factor 1-beta (LIM/homeobox protein 1.2) (LMX-1.2) (LIM/homeobox protein LMX1B),FUNCTION: Transcription factor involved in the regulation of podocyte-expressed genes (PubMed:24042019, PubMed:28059119). Essential for the specification of dorsal limb fate at both the zeugopodal and autopodal levels. {ECO:0000269|PubMed:24042019, ECO:0000269|PubMed:28059119}.

### Molecular Weight:

44.9 kDa

### UniProt:

[O60663](#)

### Pathways:

[Dopaminergic Neurogenesis](#)

## Application Details

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### Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months