

Recombinant Full Length Human LMX1A Protein

Cat. No. LMX1A-291HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human LMX1A (aa 1-100) with N-terminal proprietary tag, 37.07 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	100 amino acids
Description	Insulin is produced exclusively by the beta cells in the islets of Langerhans in the pancreas. The level and beta-cell specificity of insulin gene expression are regulated by a set of nuclear genes that bind to specific sequences within the promoter of the insulin gene (INS; MIM 176730) and interact with RNA polymerase to activate or repress transcription. LMX1 is a homeodomain protein that binds an A/T-rich sequence in the insulin promoter and stimulates transcription of insulin (German et al.
Form	Liquid
Molecular Mass	37.070kDa inclusive of tags
AA Sequence	MEGIMNPYTALPTPQQLLAIEQSVYSSDPFRQGLTPPQMPGDHMHYPYGAEPLFHDL DSDDTSLNLGDCFLATSEAGPLQSRVGNPIDHLYSMQNSYFTS
Purity	Proprietary Purification

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
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Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.
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GENE INFORMATION

Gene Name	LMX1A LIM homeobox transcription factor 1, alpha [Homo sapiens]
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Official Symbol	LMX1A
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Synonyms	LMX1A; LIM homeobox transcription factor 1, alpha; LMX1; LIM homeobox transcription factor 1-alpha; LMX1.1
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Gene ID	4009
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mRNA Refseq	NM_001174069
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Protein Refseq	NP_001167540
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MIM	600298
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UniProt ID	Q8TE12
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