

Product datasheet for **RC215375L4V**

LMX1A (NM_177398) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | LMX1A (NM_177398) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | LMX1A |
| Synonyms: | DFNA7; LMX1; LMX1.1 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_177398 |
| ORF Size: | 1146 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC215375). |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| RefSeq: | NM_177398.2 , NP_796372.1 |
| RefSeq Size: | 3382 bp |
| RefSeq ORF: | 1149 bp |
| Locus ID: | 4009 |
| UniProt ID: | Q8TE12 |
| Cytogenetics: | 1q23.3 |
| Protein Families: | ES Cell Differentiation/IPS, Transcription Factors |
| MW: | 42.6 kDa |



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Gene Summary:

This gene encodes a homeodomain and LIM-domain containing protein. The encoded protein is a transcription factor that acts as a positive regulator of insulin gene transcription. This gene also plays a role in the development of dopamine producing neurons during embryogenesis. Mutations in this gene are associated with an increased risk of developing Parkinson's disease. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2012]