

## Product datasheet for MC212230

### Lmx1a (NM\_033652) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lmx1a (NM\_033652) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Lmx1a  
**Synonyms:** dr; dreher; Lmx1.1; sst  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212230 representing NM\_033652  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTTGGACGGCCTGAAGATGGAGGAGAACTTTCAAAGTGGCATTGAGACCTCGGCATCTTTCTCCTCTT  
 TGCTGGGCAGAGCGGTGAGCCCCAAGTCTGTCTGCGAGGGCTGTCAGCGGGTCATCTCGGACAGGTTTCT  
 GCTGCGGCTCAACGACAGCTTCTGGCACGAGCAATGCGTGCAGTGTGCCTCCTGCAAAGACCCCCGGAG  
 ACCACCTGCTTCTACCGGACAAGAAGCTCTACTGCAAGTACCACTACGAGAAACTGTTTGTGTCAAAT  
 GTGGGGGCTGCTTCGAGGCCATTGCGCCAATGAGTTTGTGCATGCGTGCCAGAAGAGCGTATACCACT  
 GAGCTGCTTCTGCTGCTGCTGTGAGCGACAGCTGCAGAAGGGTGACGAGTTTGTCTGAAGGAGGGC  
 CAGCTGCTCTGCAAAGGGGACTATGAGAAAGAACGGGAGCTGCTGAGCCTGGTGAGCCCTGCGGCCCTCAG  
 ACTCAGGCAAAGCGATGATGAGGAGAGCCTTTGCAAGTCAGCCCATGGGCAGGAAAAGGAGCATCAGA  
 GGACGGCAAGGACCATAAGCGACCCAAACGTCCAGAACCATCCTGACCACTCAGCAGAGGAGAGCATTC  
 AAGGCCCTGTTTGAAGTATCCTCAAAGCCCTGCAGAAAGGTGAGGGAGACTCTGGCTGCGGAGACAGGGC  
 TGAGTGTCCGTGTGTTTCAAGTGTGTTCCAGAACCAGCGAGCCAAGATGAAGAAGCTGGCCCGGCAAT  
 GCAGCAACAGCAACAGGACCAACAGAACCACCCAGAGGCTGACTTCTGCTCAGACAAATGGTAGTGGGAAT  
 GCGGGCATGGAAGGGATCATGAACCCCTATAACAAGTTGCCACCCACAGCAGCTGCTGGCCATTGAAC  
 AGAGCGTCTACAACCTGATCCCTTCCGACAGGGTCTCACCCACCCAGATGCCTGGAGATCACATGCA  
 CCCCTATGGTGTGAACCTCTTTTCCATGACTTGGATAGTGATGACACATCTCTCAGTAACCTGGGAGAC  
 TGCTTCTGGCAACCTCAGAAGCTGGGCCCTGCAGTCCAGAGTGGGAAACCCATTGACCATCTGTACT  
 CCATGCAGAATTCCTATTTACCTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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|                               |   |
|-------------------------------|---|
| <b>ACCN:</b>                  | NM_033652   |
| <b>Insert Size:</b>           | 1149 bp   |
| <b>OTI Disclaimer:</b>        | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).  |
| <b>Components:</b>            | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol> |
| <b>RefSeq:</b>                | <u><a href="#">NM_033652.5</a></u> , <u><a href="#">NP_387501.1</a></u>   |
| <b>RefSeq Size:</b>           | 3338 bp   |
| <b>RefSeq ORF:</b>            | 1149 bp   |
| <b>Locus ID:</b>              | 110648  |
| <b>UniProt ID:</b>            | <u><a href="#">Q9JKU8</a></u>   |
| <b>Cytogenetics:</b>          | 1 75.08 cM  |
| <b>Gene Summary:</b>          | Acts as a transcriptional activator by binding to an A/T-rich sequence, the FLAT element, in the insulin gene promoter. Required for development of the roof plate and, in turn, for specification of dorsal cell fates in the CNS and developing vertebrae.[UniProtKB/Swiss-Prot Function]   |