

## Product datasheet for **MC227496**

### Lhx3 (NM\_010711) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lhx3 (NM\_010711) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Lhx3  
**Synonyms:** Lim3; mLim-3; mLIM3; P-LIM  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227496 representing NM\_010711  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCTGCTAGAAGCAGAAGCTCGATTGCCACCGAGAGAGGCCGGTGCCCTGGAGCTTCTGCCCTCTGTA  
CCTTCAGCAGGACTCCAGAGATCCCGATGTGTGCAGGCTGTGACCAGCACATCTGGACCGTTTCATCCT  
TAAGGCTCTGGACCGACATTGGCACAGCAAGTGTCTCAAGTGCAGTGACTGCCACGTCCCTCTGGCTGAG  
CGCTGCTTCAGCCGCGGGGAGAGCGTCTACTGCAAAGACGACTTCTTTAAGCGCTTCGGGACCAAGTGCG  
CCGCATGCCAGCTGGGCATCCCGCCACGCAGGTGGTGCGCCGCGCCAGGACTTCGTGTACCACCTGCA  
TTGCTTCGCCTGCGTGGTCTGCAAGCGGCAGCTGGCCACGGGCGACGAGTTCTACCTCATGGAAGACAGC  
CGGCTGGTGTGCAAGGCGGACTACGAAACAGCCAAGCAGCGAGAAGCCGAGGCCACAGCCAAGCGGCCGC  
GCACCACCATCACCGCAAGCAGCTGGAGACGCTGAAGAGCGCCTACAACACTTCGCCCAAGCCGGCGCG  
CCACGTGCGCGAGCAGCTCTCCTCCGAGACCGCCTGGACATGCGAGTGGTGCAGGTGTGGTTCCAGAAT  
CGCCGGGCTAAGGAAAAGAGACTGAAGAAAAGACGCTGGCCGCGAGCGCTGGGACAGTATTTCCGCAATA  
TGAAGCGCTCCCGCGCAGTCCAAGTCCGACAAGGACAGCATCCAGGAGGGACAAGACAGCGACGCCGA  
AGTCTCCTTCACTGATGAGCCGTCCATGGCTGACATGGGCCTGCTAATGGCCTGTACAGCAGCCTGGGA  
GAGCCTGCCCTGCGTTGGGCGGCCCGTAGGAGGCTGGGCAGCTTTACCCTGGATCACGGAGGCTTGA  
CGGGTCCAGAGCAGTACCAGAGCTACGCCAGGCAGCCCTATGGCATCCCCCATCTCCTGCAGCCCC  
CCAGAGCCTTCTGGCCCCAGCCTCTCCTCTCCAGCCTGGTATACCCAGACACCAACTTGAGCCTTGTC  
CCTTCAGGGCCCCAGGTGGACCCACCCATGAGGGTGTGGCTGGAATGGGCCAGCTCCGACCTGT  
CCACAGAGAGCAGTTCTGGCTACCCAGACTTCTCCTGCTAGCCCTGCTTCTGGCTGGATGAAGTAGACCA  
TGCTCAGTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_010711
<b>Insert Size:</b>	1203 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<a href="#">NM_010711.2</a> , <a href="#">NP_034841.2</a>
<b>RefSeq Size:</b>	2158 bp
<b>RefSeq ORF:</b>	1203 bp
<b>Locus ID:</b>	16871
<b>UniProt ID:</b>	<a href="#">P50481</a>
<b>Cytogenetics:</b>	2 18.44 cM
<b>Gene Summary:</b>	<p>Required for the establishment of the specialized cells of the pituitary gland and the nervous system (By similarity). Involved in the development of interneurons and motor neurons in cooperation with LDB1 and ISL1. Acts as a transcriptional activator. Binds to and activates the promoter of the alpha-glycoprotein gene, and synergistically enhances transcription from the prolactin promoter in cooperation with Pou1f1/Pit-1.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains an alternate 5' terminal exon, and it thus differs in the 5' UTR and 5' coding region, compared to variant 1. The encoded isoform (b) has a distinct N-terminus and is shorter than isoform a.</p>