

## Product datasheet for **MC205111**

### Lhx2 (NM\_010710) Mouse Untagged Clone

#### Product data:

|                           |                                       |
|---------------------------|---------------------------------------|
| Product Type:             | Expression Plasmids                   |
| Product Name:             | Lhx2 (NM_010710) Mouse Untagged Clone |
| Tag:                      | Tag Free                              |
| Symbol:                   | Lhx2                                  |
| Synonyms:                 | ap; apterous; Lh-2; LH2A; Lim2        |
| Mammalian Cell Selection: | Neomycin                              |
| Vector:                   | PCMV6-Kan/Neo (PCMV6KN)               |
| E. coli Selection:        | Kanamycin (25 ug/mL)                  |



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**Fully Sequenced ORF:** >BC055741  
 CGCCTCGGCGGGAGGCGTCTGGCCCGCAGGCGCCCGGGCCCGGAGCCAGCCTGGGGGCGCAGCCGAG  
 CTCGGGCGGGGCCGGGGCCGGTGGCGATGCACTGGGCCGGTTAACGCCGGGAGCGCCAGGCAGCTGAG  
 GCGGGGGCAAGCCCTTCTCGGGGCGCCGATCCCCGGTCCCGCCGATGCTGTTCCACAGTCTGTC  
 GGGCCCCGAGGTGCACGGGGTCACTGACGAGATGGACCGAGGGCCAAGAGCGAGGCTCCGGCCATCAGC  
 TCCGCCATCGACCGCGGCACACGGAGACGACCATGCCGTCCATCAGCAGTGACCGGGCAGCGTTGTGTG  
 CTGGCTGTGGGGCAAGATCTCTGACCCTACTACCTGCTGGCAGTAGACAAGCAATGGCACATGCGCTG  
 CCTCAAGTGTGTGAATGCAAGCTCAACCTGGAGTCGGAACCTCACCTGCTTCAGCAAGGATGGCAGCATC  
 TACTGCAAAGAAGACTACTACAGCGGTTCTCTGTGCAGCGCTGCGCCCGCTGCCACCTGGGCATCTCGG  
 CCTCAGAGATGGTGATGCGCGCTCGGGACTTGGTTTATCACCTCAACTGCTTCACATGCACAACGTGTA  
 CAAGATGCTGACGACCGGCGACCATTTTCGGCATGAAGGACAGCCTGGTCTATTGCCGCTTCACTTCGAG  
 GCTCTGCTGCAGGGCGAATACCCAGCACACTTTAACCATGCCGACGTGGCAGCGGGCGGCAGCCGAGCCG  
 CAGCAGCTAAGAGTGCAGGATTGGGCTCAGCCGGGGCTAATCCGCTGGTCTTCCCTACTACAACGGCGT  
 GGGCACTGTGAAAAGGGGAGGCCGAGAAAGCGCAAGAGTCCAGGACCCGGGCAGATCTGGCAGCTTAC  
 AACGCCGCGCTTAGCTGTAAACGAGAACGATGCTGAACACCTGGATCGTGACCAGCCCTACCCAGCAGCC  
 AAAAGACAAAGCGCATGCGCACCTCCTTCAAGCACACCAGCTTCGGACAATGAAGTCTTACTTTGCCAT  
 TAACCACAATCCCGATGCCAAGGACTTGAAGCAGCTTGGCAAAAGACCGGCCTACCAAGAGAGTCCCTC  
 CAGGTCTGGTTTTCAGAATGCCCGGGCCAAGTTCAGGCGCAACCTTTTACGGCAGGAAAACAGGGCGTGG  
 ACAAGACGTGAGATGCCACGCTGCAGACAGGGACGCCGTGAGGGCCCGCTCGGAGCTGTCCAACGCCTC  
 GCTCAGCCCTCCAGCACGCCTACAACCCTCACAGACTTGACTAGCCCCACCCTGCCGACTGTGACGTCA  
 GTCTTAACTTCTGTGCCCTGGCAACCTGGAGGGCCACGAGCCCCACAGCCCTTACAAAACGACTCTTACCA  
 ACCTTTTCTAATGACTCGCCACCCCTTCTCCCGAGCCCCACGATTTCTTTAAAAAAGAAATTTCTT  
 TAGTTGAATCCAAGTGTATTTTAAAAATAGAGGTTTGAGCAACTAACACGTTTTAGGATCTGCGC  
 CTGGAAAACAGAGGAAAAAAGAATTGTGCGTCGGGCTAACGCAGCGGTGTGTGCTGAGGAATTAAGTGGG  
 AGATATATCTGCAACACAACATTTGTGTCCCTGTACAGTTTTGTGGACTGAGCGAGGAAAACAACAATA  
 ATTTAAGTTGGCTGAGAGCTTCCGTATTTTCAAAGACTGCCACGTGCCTTAGGAATACTGTTTTATCTTC  
 ATACTTTGGATGAATTGTTCTTTTTTCTCTCCCTTTTTTCTCTGTATATTTATGACCAGAGCA  
 AAATGTAAAAAAGGAAAAAACAATAATGTTTGTACTTTGAATAGTCCTAAAAAAAAAAAAAAAAAAAAA A

**Restriction Sites:** AscI-NotI

**ACCN:** NM\_010710

**Insert Size:** 1221 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [BC055741](#), [AAH55741](#)

**RefSeq Size:** 1891 bp

**RefSeq ORF:** 1221 bp

**Locus ID:** 16870

**UniProt ID:** [Q9Z0S2](#)

**Cytogenetics:** 2 B

**Gene Summary:** Acts as a transcriptional activator. Stimulates the promoter of the alpha-glycoprotein gene. Transcriptional regulatory protein involved in the control of cell differentiation in developing lymphoid and neural cell types.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).