

## Product datasheet for MR227298

### Lhx1 (NM\_008498) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lhx1 (NM_008498) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lhx1
Synonyms:	Lim1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227298 representing NM_008498 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGCCTGTGCGGGCTGCAAAGGCCATCCTGGACCGTTTCTCTTGAACGTGTTGGACAGGGCCT  
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CAAGCTCTACTGTAAAAACGACTTCTCCGATGTTTCGGTACCAATGCGCCGGTGTGCGCAGGGC  
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TTACCTGAGTAACAGCAGTGTGCGCAAAGAGAACAGCCTCCACTCGGCCACCACAGGCAGTGACCCTAGT  
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GAGCAACTGGCCAGGAGACTGGCCTCAACATGCGTGTATCCAGGTCTGGTCCAGAATCGACGCTCCA  
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GATGCGGCCGCTGGTGGACCGCTGGAGCCGGGCGAACTCATCCCAACGGCCCCCTCTCCTTTTACGGA  
GATTACCAGAGTGAGTACTACGGTCCCGGAGGCAACTACGACTTCTCCGCAAGGACCGCCATCCTCTC  
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CCAGGGGACTCGCCTAGTCTGAGCCAGCTTGCCTGGCCCTCTCCACTCCATGTCAGCGGAGGTCTTCG  
GGCCAGTCCACCTTTCTCATCTCTGTCGGTCAATGGTGGAGCCAGCTACGGGAACCATTGTCTCACCC  
TCCTGAAATGAACGAGGCAGCCGTGTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR227298 representing NM\_008498  
Red=Cloning site Green=Tags(s)

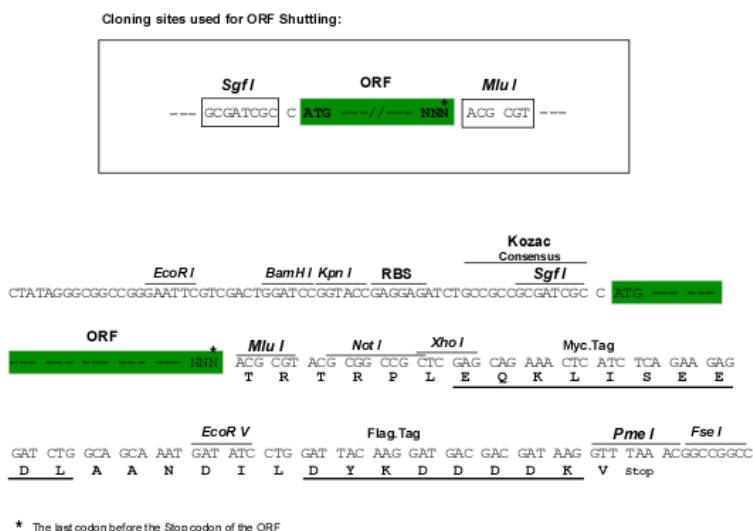
MVHCAGCKRPILDRFLNLVLDRAWHVKCVQCCECKCNL TEKCF SREGKLYCKNDFFRFCGTKCAGCAQGI  
 SPSDLVRRARSKVFLNCF TCMMCNKQLSTGEELYI I DENKFVCKEDYL SNSSVAKENSLHSATTGSDPS  
 LSPDSQDPSQDDAKDSEANVSDKEGGSNENDDQNLGAKRRGPRTTIKAKQLET LKAAFAATPKPTRHIR  
 EQLAQETGLNMRVIQVWFQNRRSKERRMKQLSALGARRHAFRSPRRMRPLVDRLEPGELIPNGPFSFYG  
 DYQSEYYGPGGNYDFFPQGPSSQAQTPVDLPFVPSGSPGTPLGGLDHPLPGHHPSSSEAQRFTDILAHP  
 PGDSPSPPEPLPGPLHMSAEVFGPSPFSSLSVNGGASYGNHLSHPPEMNEAAVW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9034\\_g09.zip](https://cdn.origene.com/chromatograms/mm9034_g09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_008498

**ORF Size:** 1218 bp

**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.

**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:** [NM\\_008498.3](#)

**RefSeq Size:** 2750 bp

**RefSeq ORF:** 1221 bp

**Locus ID:** 16869

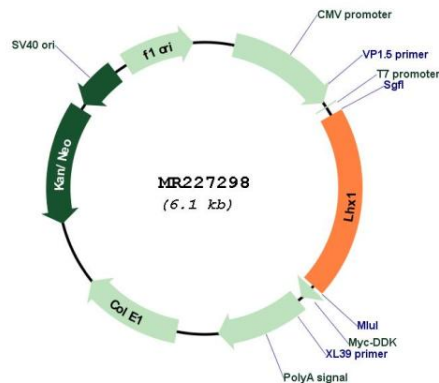
**UniProt ID:** [P63006](#)

**Cytogenetics:** 11 51.31 cM

**MW:** 45.2 kDa

**Gene Summary:** Potential transcription factor. May play a role in early mesoderm formation and later in lateral mesoderm differentiation and neurogenesis.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR227298