

Product datasheet for **MG227298**

Lhx1 (NM_008498) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lhx1 (NM_008498) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lhx1
Synonyms:	Lim1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG227298 representing NM_008498 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCCTGTGCGGGCTGCAAAGGCCATCCTGGACCGTTTCTCTTGAACGTGTTGGACAGGGCCT
GGCAGCTCAAGTGCCTCAGTGTGTGAATGTAATGCAACCTGACCGAGAAGTGCTTCTCCGGGAAGG
CAAGCTCTACTGTAAAAACGACTTCTCCGATGTTTCGGTACCAATGCGCCGGTGTGCGCAGGGC
TCTCAAGCGATCTGGTTCGAGAGCGCAAGCAAGTGTTCACCTCACTGCTTACCTGCATGATGT
GTAACAAGCAGCTCTCCACGGCGAGGAGCTCTACATCATAGACGAGAACAAGTTCGTTTGTAAAGAGGA
TTACCTGAGTAACAGCAGTGTGCGCAAAGAGAACAGCCTCCACTCGGCCACCACAGGCAGTGACCCTAGT
TTATCTCCGGATTCCAAGATCCATCGCAGGATGATGCCAAGGACTCTGAAAGTGCCAACGTCTCAGATA
AGGAAGGTGGTAGTAATGAGAATGATGATCAGAACCTAGGTGCCAAACGTAGGGGACCCCGGACCAGAT
CAAAGCCAAGCAACTGGAGACGTTGAAGGCAGCCTTTGACGCTACACCAAGCCACACGCCATATCCGT
GAGCAACTGGCCAGGAGACTGGCCTCAACATGCGTGTATCCAGGTCTGGTCCAGAATCGACGCTCCA
AGGAGCGAAGGATGAAACAGCTAAGCGCGCTAGGCGCGCGGCCACGCCTTTTCCGAGTCTCGTGC
GATGCGGCCGCTGGTGGACCGCTGGAGCCGGGCAACTCATCCCAACGGCCCCCTCTCCTTTTACGGA
GATTACCAGAGTGAGTACTACGTTCCCGAGGCAACTACGACTTCTCCGCAAGGACCGCCATCCTCTC
AGGCTCAGACGCCAGTGGACCTACCCTTTGTGCCATCATCTGGCCCTTCGGGGACGCCCTTGGAGGTCT
GGACCACCGCTGCCTGGTCAACCCCTTCCAGTGAGGCGCAGGATTTACTGACATCCTGGCACATCCC
CCAGGGGACTCGCTAGTCTGAGCCAGCTTGCCTGGCCCTCTCCACTCCATGTCAGCGGAGGTCTTCG
GGCCAGTCCACCTTTCTCATCTCTGTCGGTCAATGGTGGAGCCAGCTACGGGAACCATTGTCTCACCC
TCCTGAAATGAACGAGGCAGCCGTGTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG227298 representing NM_008498
 Red=Cloning site Green=Tags(s)

MVHCAGCKRPILDRFLNLVLDRAWHVKCVQCCECKCNL TEKCF SREGKLYCKNDFRRCFGTKCAGCAQGI
 SPSDLVRRARSKVFLNCF TCMMCNQLSTGEELYI I DENKFVCKEDYL SNSSVAKENSLHSATTGSDPS
 LSPDSQDPSQDDAKDSE SANVSDKEGGSNENDDQNLGAKRRGPRTTIKAKQLET LKAAFAATPKPTRHIR
 EQLAQETGLNMRVIQVWFQNRRSKERRMKQLSALGARRHAFFRSPRRMRPLVDRLEPGELIPNGPFSFYG
 DYQSEYYGPGGNYDFFPQGPSSQAQTPVDLPFVPSSGPGTPLGGLDHPLPGHHPSSSEAQRFTDILAHP
 PGDSPSPPEPLPGPLHMSAEVFGPSPFSSLSVNGGASYGNHLSHPPEMNEAAVW

TRTRPLE - GFP Tag - V

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

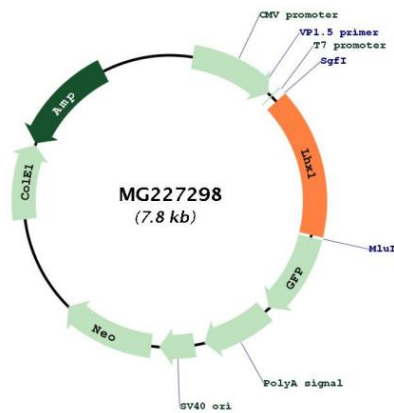
Locus ID: 16869

UniProt ID: [P63006](#)

Cytogenetics: 11 51.31 cM

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 MG227298