

Product datasheet for **MR229510**

Lhx2 (NM_001290646) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lhx2 (NM_001290646) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lhx2
Synonyms: ap; apterous; Lh-2; LH2A; Lim2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229510 representing NM_001290646
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCGTCATCAGCAGTGACCGGGCAGCGTTGTGTGCTGGCTGTGGGGCAAGATCTCTGACCGCTACT
ACCTGCTGGCAGTAGACAAGCAATGGCACATGCGCTGCCTCAAGTGTGAATGCAAGCTCAACCTGGA
GTCCGAACTCACCTGCTTACGCAAGGATGGCAGCATCTACTGCAAAGAAGACTACTACAGCGGTTCTCT
GTGCAGCGCTGCGCCCGCTGCCACCTGGGCATCTCGGCCCTCAGAGATGGTGATGCCGCTCGGGACTTGG
TTTATCACCTCAACTGCTTCACATGCACAACGTGTAACAAGATGCTGACGACCGGCGACCATTTCCGGCAT
GAAGGACAGCCTGGTCTATTGCCGCTTGCACCTCGAGGCTCTGCTGCAGGGCGAATACCCAGCACACTTT
AACCATGCCGACGTGGCAGCGGGCGCAGCCGACGCGCAGCAGCTAAGAGTGCAGGATTGGGCTCAGCCG
GGGCTAATCCGCTGGGTCTTCCCTACTACAACGGCGTGGGCATGTGCAAAAGGGGAGGCCGAGAAAAGCG
CAAGAGTCCAGGACCCGGGGCAGATCTGGCAGCTTACAACGCCGCGCTTAGCTGTAAAGGAAACGATGCT
GAACACCTGGATCGTGACCAGCCCTACCCAGCAGCCAAAAGACAAGCGCATGCCACCTCCTTCAAGC
ACCACCAGCTTCGGACAATGAAGTCTTACTTTGCCATTAACCACAATCCCGATGCCAAGGACTTGAAGCA
GCTTGCAGCAAAAGACCGGCCTACCAAGAGAGTCCCTCCAGTCTGGTTTTCAGAATGCCCGGGCCAAGTTC
AGGCGCAACCTTTTACGGCAGGAAAACACGGGCGTGGACAAGACGTGAGATGCCACGCTGCAGACAGGGA
CGCCGTGACGGCCCGCTCGGAGCTGTCCAACGCCTCGCTCAGCCCTCCAGCACGCCTACAACCTCAC
AGACTTGACTAGCCCCACCCTGCCGACTGTGACGTGAGTCTTAACCTTCTGTGCCTGGCAACCTGGAGGGC
CACGAGCCCCACAGCCCTTACAAACGACTCTTACCAACCTTTTC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR229510 representing NM_001290646
 Red=Cloning site Green=Tags(s)

MPSISSDRAALCAGCGGKISDRYLLAVDKQWHMRCLKCCECKLNLESELTCFSKDGSYCKEDYRRFS
 VQRCARHLGISASEMVMRARDLVYHLNCFCTTCNKMLTTGDHFGMKDSL VYCRLHFEALLQGEYPAHF
 NHADVAAAAAAAAAKSAGLGSAGANPLGLPYNGVGT VQKGRPRKRKSPGPGADLAAYNAALSCNENDA
 EHLDRDQYPYSSQKTKRMRTSFKHHQLRTMKS YFAINHNPDAKDLKQLAQKTGLTKRVLQVWFQNAKAF
 RRNLLRQENTGVDKTSDATLQTGTPSGPASELSNASLSPSSTPTLTDLTSPTLPTVTSVLTSVPGNLEG
 HEPHSPSQTTLTNLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

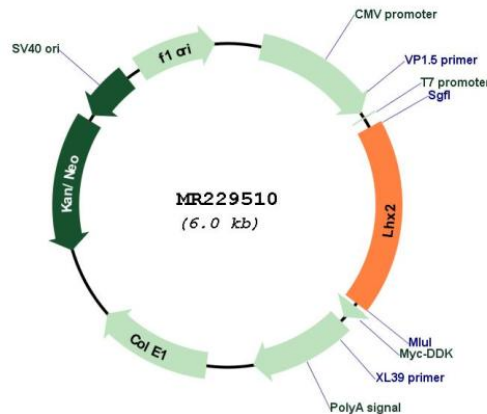
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290646

ORF Size:	1095 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:	<ol style="list-style-type: none">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_001290646.1 , NP_001277575.1
RefSeq Size:	2234 bp
RefSeq ORF:	1098 bp
Locus ID:	16870
Cytogenetics:	2 B
MW:	40.5 kDa
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]