

Product datasheet for **MG206390**

Lhx2 (BC055741) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lhx2 (BC055741) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lhx2
Synonyms:	LH2A, Lh-2, ap, apterous, Lim2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206390 representing BC055741 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGTTCCACAGTCTGTCTGGGCCCGAGGTGCACGGGGTTCATCGACGAGATGGACCGCAGGGCCAAGA
GCGAGGCTCCGGCCATCAGCTCCGCCATCGACCGCGGCACCGGAGACGACCATGCCGTCCATCAGCAG
TGACCGGGCAGCGTTGTGTGCTGGCTGTGGGGCAAGATCTCTGACCGCTACTACCTGCTGGCAGTAGAC
AAGCAATGGCACATGCGCTGCCTCAAGTGTGAATGCAAGCTCAACCTGGAGTCGGAACCTCACCTGCT
TCAGCAAGGATGGCAGCATCTACTGCAAAGAAGACTACTACAGGGGTTCTCTGTGCAGCGCTGCGCCCG
CTGCCACCTGGGCATCTCGGCCTCAGAGATGGTGTATGCGCGCTCGGGACTTGGTTTATCACCTCAACTGC
TTCACATGCACAACGTGTAACAAGATGCTGACGACCGGCGACCATTTTCGGCATGAAGGACAGCCTGGTCT
ATTGCCGCTTGCACTTCGAGGCTCTGCTGCAGGGCGAATACCCAGCACACTTTAACCATGCCGACGTGGC
AGCGGGCGCAGCCGAGCCGAGCAGCTAAGAGTGCAGGATTGGGCTCAGCCGGGGCTAATCCGCTGGGT
CTTCCCTACTACAACGGCGTGGGCACTGTGAAAAGGGGAGGCCGAGAAAGCGCAAGAGTCCAGGACCCG
GGCAGATCTGGCAGCTTACAACGCCGCGCTTAGCTGTAACGAGAACGATGCTGAACACCTGGATCGTGA
CCAGCCCTACCCAGCAGCCAAAAGACAAAAGCGCATGCGCACCTCCTTCAAGCACCACAGCTTCGGACA
ATGAAGTCTTACTTTGCCATTAACCACAATCCCAGTCCCAAGACTTGAAGCAGCTTGCACAAAAGACCG
GCCTCACCAAGAGAGTCCCTCAGGTCTGGTTTCAGAATGCCCGGGCCAAGTTTACGGCGCAACCTTTTACG
GCAGGAAAACACGGCGTGGACAAGACGTGATGCCACGCTGCAGACAGGGACGCCGTCAGGGCCCGCC
TCGGAGCTGTCCAACGCCTCGCTCAGCCCTCCAGCACGCCTACAACCCTCACAGACTTGACTAGCCCCA
CCCTGCCGACTGTGACGTGAGTCTTAACCTCTGTGCCTGGCAACCTGGAGGGCCACGAGCCCCACAGCCC
TTCACAAACGACTCTTACCAACCTTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206390 representing BC055741
 Red=Cloning site Green=Tags(s)

MLFHSLSGPEVHGVIDEMDRRAKSEAPAIISSAIDRGDTETTPMSISSDRAALCAGCGGKISDRYLLAVD
 KQWHMRLKCCECKLNLESELTCFSKDGSIYCKEDYRRFSVQRCARCHLGISASEMVMRARDLVYHLNC
 FTCTTCNKMLTTGDHFGMKDSL VYCR LHFEALLQGEYPAHFNHADVAAAAAAAAAASAGLGSAGANPLG
 LPYYNGVGTVQKGRPRKRKSPGPGADLAAYNAALSCNENDA EHLDRDQYPSSQKTKRMRTSFKHHQLRT
 MKSYFAI NHPDAKDLKQLAQKTGLTKRVLQVWFQ NARAKFRRNLLRQENTGVDKTSDATLQGTTPSGPA
 SELSNASLSPSSTPTTLTDLTSP TLPVT SVLTSVPGNLEGHEPHSPSQTTLTNLF

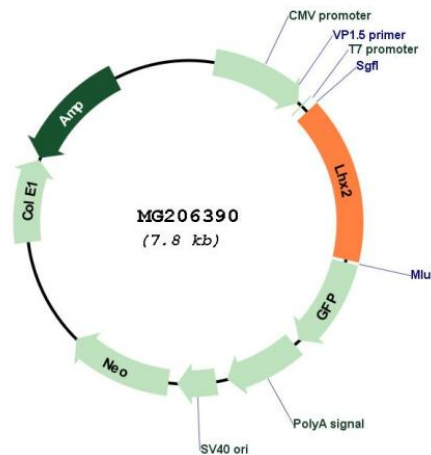
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC055741

ORF Size:	1220 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:	BC055741 , AAH55741
RefSeq Size:	1891 bp
RefSeq ORF:	1220 bp
Locus ID:	16870
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]