

Product datasheet for **MG204845**

Lhx9 (BC072623) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lhx9 (BC072623) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lhx9
Synonyms:	3110009O07Rik; BB104635; LH2B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204845 representing BC072623 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGAATAGTGGGGTGCCGAGCCGAAACAATTCGTGTCCTTTCCGCCCCAGCCATGCTCTTCCAGG
GAATCTCCGAGGCCACATCCAAGGTATCATGGAGGAGATGGAGCGCAGATCCAAGACTGAGGCCGTCT
GACCAAAGGCACTCAGCTCAACGGCCGCGACGGGTATGCCCTCTCAGCCCGAGAAGCCTGCTCTG
TGCGCCGCTGCGGGGCAAGATCTCCGACAGGTACTATCTGCTGGCCGTAGACAACAGTGGCATCTTA
GGTGCCTGAAGTGTGTGAATGTAAGCTGGCTCTGGAATCTGAGCTCACCTGCTTTGCCAAGGACGGTAG
CATTTACTGCAAGGAGGATTATTACAGAAGTTCTCTGTGCAGAGATGTGCCCGCTGCCACCTTGGCATT
TCCGCCTCTGAGATGGTCATGCGCGCCGAGACTCTGTCTACCATCTGAGCTGCTTCACTTGTCCACTT
GCAACAAGACCTTGACCACGGGCGACCATTTCCGGATGAAGGACAGCCTGGTGTACTGCCGCGCACACTT
CGAGACCTCTTGCAAGGGGAATATCCACCTCAGCTGAGCTACACGGAGCTGGCGCCAAGAGCGGCGGC
TTGGCTTTGCCTTACTTCAATGGCACTGGCACCCTGCAGAAGGGGCGGCCCGGAAGCGGAAGAGCCAG
CTCTGGGAGTGGACATCGTGAATTACAACCTCAGGTTGTAATGAGAACGAGGCAGACCCTTGGACCGGGA
CCAGCAGCCTTATCCACCTTACAGAAGACCAACCGATGCGAACTTCTTCAAGCATCACCAGCTCCGG
ACCATGAAATCCTACTTTGCTATCAACCAACCCAGATGCCAAGGACCTCAAACAGCTTGCTCAAAAA
CAGGCCTGACCAAAAGAGTTTTACAGGGAGAACAATCTTGGGGCATTACAGCCAACATCCCGACGTTT
GAAAATTCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204845 representing BC072623
 Red=Cloning site Green=Tags(s)

MEIVGCRAENNSCPFRPPAMLFHGISGGHIQGIMEEMERRSKTEARLTKGTQLNGRDAGMPPLSPEKPAL
 CAGCGGKISDRYLLAVDKQWHLRCLKCCECKLALAESELTCFAKDGSYCKEDYRRFSVQRCARHLGI
 SASEMVMRARDSVYHLSCFTCSTCNKTLTTGDHFGMKDSLVCRAHFETLLQGEYPPQLSYTELAAKSGG
 LALPYFNGTGTVQKGRPRKRKSPALGVDIVNYSNGCNEADHLDRDQQPYPSPQKTKRMRTSFKHHQLR
 TMKSYFAINHNPDAKDLKQLAQKTGLTKRVLQGEQILGHYSQTSRRLKIP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC072623

ORF Size: 992 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: [BC072623](#), [AAH72623](#)

RefSeq Size: 4955 bp

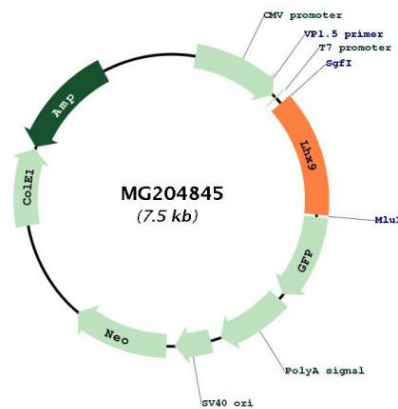
RefSeq ORF: 992 bp

Locus ID: 16876

Cytogenetics: 1 E4

Gene Summary: Involved in gonadal development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG204845