

Product datasheet for RC211424

LHX9 (NM_001014434) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LHX9 (NM_001014434) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LHX9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211424 representing NM_001014434 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGCTGAACGGTACCACTCTAGAGGCAGCCATGCTCTTTACGGGATCTCCGGAGGCCACATCCAAGGCA
TCATGGAGGAGATGGAGCGCAGATCCAAGACTGAGGCCGCTGGCCAAAGGCGCCAGCTCAACGGCCG
CGACGCGGGCATGCCCGGCTCAGCCCGGAGAAGCCGCCCTGTGCGCCGGCTGCGGGGGCAAGATCTCG
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AAGGTTCTCTGTGCAGAGATGTGCCCGCTGCCACCTTGGCATTTCGCGCTCGGAGATGGTCATGCGCGCC
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ATTTCCGCATGAAGGACAGCCTGGTGTACTGCCGCGCCACTTCGAGACCCTCTTGAAGGAGAGTATCC
ACCGCAGCTGAGCTACACGGAGCTGGCGGCCAAGAGCGGCGCCCTGGCCCTGCCTTACTTCAACGGTACG
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GACCAAGCGCATGCGAACCTCTTCAAGCATCACCAGCTCCGGACCATGAAATCTACTTTGCCATCAAC
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ACCACTTTAACAGACCTGACCAATCCCCTATCACTGTAGTGACATCCGTGACCTTAACATGGACAGCC
ACGAATCCGGAAGCCCTCACAACCTTAAACAACCTTTTC

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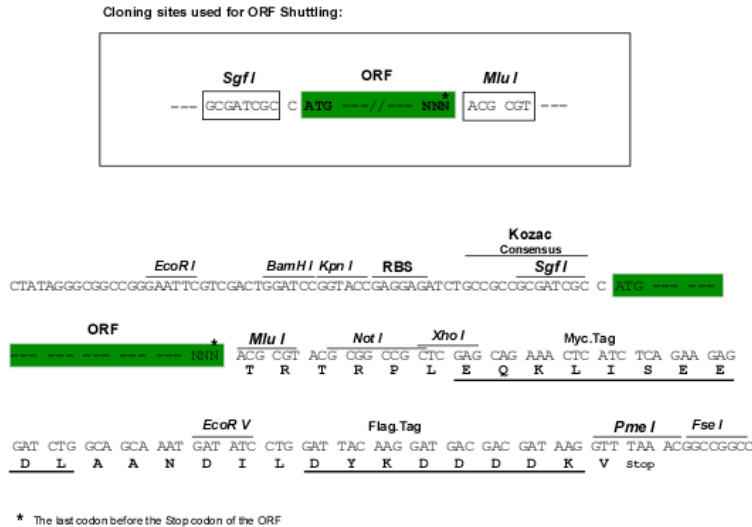
Protein Sequence: >RC211424 representing NM_001014434
Red=Cloning site Green=Tags(s)

MLNGTTLEAAMLFHGISGGHIQGIMEEMERRSKTEARLAKGAQLNGRDAGMPPLSPEKPALCAGCGGKIS
 DRYLLAVDKQWHLRCLKCECKLALESELTCFAKDGSIYCKEDYRRFVSQRCARCHLGISASEMVMRA
 RDSVYHLSCFTCTCNKTLTTGDHFGMKDSLVCRAHFETLLQGEYPPQLSYTELAAKSSGLALPYFNGT
 GTVQKGRPRKRKSPALGVDIVNYSNGCNEADHLDRDQQPYPPSQKTKRMRTSFKHHQLRTMKSYFAIN
 HNPDAKDLKLAQKTGLTKRVLQVWFQNAKFRRLNLRQENGGVDKADGTSLPAPPSADSGALTPPGTA
 TTLTDLTNPTITVVTSVTSNMDSHESGSPSQTTLTNLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001014434

ORF Size: 1164 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_001014434.1](#), [NP_001014434.1](#)

RefSeq Size: 2078 bp

RefSeq ORF: 1167 bp

Locus ID: 56956

UniProt ID: [Q9NQ69](#)

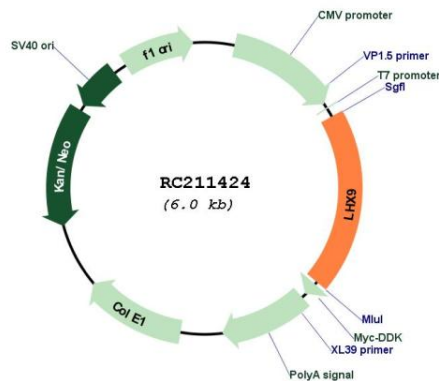
Cytogenetics: 1q31.3

Protein Families: Druggable Genome, Transcription Factors

MW: 42.7 kDa

Gene Summary: This gene encodes a member of the LIM homeobox gene family of developmentally expressed transcription factors. The encoded protein contains a homeodomain and two cysteine-rich zinc-binding LIM domains involved in protein-protein interactions. The protein is highly similar to a mouse protein that causes gonadal agenesis when inactivated, suggesting a role in gonadal development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC211424