

Product datasheet for **RG211424**

LHX9 (NM_001014434) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LHX9 (NM_001014434) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LHX9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211424 representing NM_001014434 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGAACGGTACCACTCTAGAGGCAGCCATGCTCTTTCACGGGATCTCCGGAGGCCACATCCAAGGCA
TCATGGAGGAGATGGAGCGCAGATCCAAGACTGAGGCCGCTGGCCAAAGGCGCCACGCTCAACGGCCG
CGACGCGGGCATGCCCGCTCAGCCCGGAGAAGCCGCCCTGTGCGCCGGCTGCGGGGGCAAGATCTCG
GACAGGTAATCTGCTGGCTGTGGACAAACAGTGGCATCTGAGATGCCTGAAGTGTGTGAATGTAAGC
TGGCCCTCGAGTCCGAGCTCACCTGCTTTGCCAAGGACGGTAGCATTACTGCAAGGAGGATTACTACAG
AAGGTTCTCTGTGCAGAGATGTGCCCGCTGCCACCTTGGCATTTCGCGCTCGGAGATGGTCATGCGCGCC
CGAGACTCTGTCTACCACCTGAGCTGCTTACCTGCTCCACTTGCAACAAGACTCTGACCACGGGCGACC
ATTTCCGCATGAAGGACAGCCTGGTGTACTGCCGCGCCACTTCGAGACCCTCTTGAAGGAGAGTATCC
ACCGCAGCTGAGCTACACGGAGCTGGCGGCAAGAGCGGCGCCTGGCCCTGCCTTACTTCAACGGTACG
GGCACCGTGCAGAAAGGGCGGCCCGGAAGCGGAAGAGCCAGCGCTGGGAGTGGACATCGTCAATTACA
ACTCAGGTTGTAATGAGAATGAGGCAGACCACTTGACCAGGACCAGCAGCCTTATCCACCTCGCAGAA
GACCAAGCGCATGCGAACCTTTCAAGCATCACCAGCTCCGGACCATGAAATCTACTTTGCCATCAAC
CACAACCCGGATGCCAAGGACCTCAAGCAGCTTGCCAGAAAACAGGTCTGACCAAAAAGAGTTTTGCAGG
TTTGTTCCAAAACGCACGAGCCAAATTCAGAAGGAACCTTTTGGCGCAGGAGAAATGGGGGTGTTGATAA
AGCTGACGGCACGTGCTTCCGGCCCGCCCTCAGCAGACAGCGGAGCTCTCACTCCACCCGGCACTGCG
ACCACTTAAACAGACCTGACCAATCCCACTATCACTGTAGTGACATCCGTGACCTTAACATGGACAGCC
ACGAATCCGGAAGCCCTCACAACTACCTTAACAAACCTTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Restriction Sites: Sgfl-MluI



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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

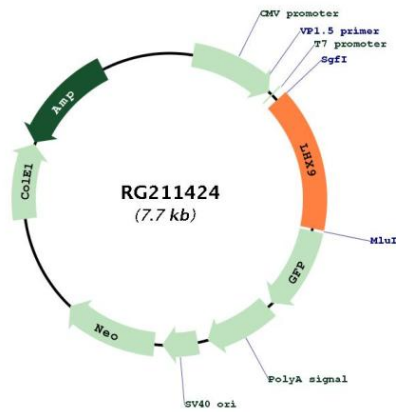
UniProt ID: [Q9NQ69](#)

Cytogenetics: 1q31.3

Protein Families: Druggable Genome, Transcription Factors

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 RG211424