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Product datasheet for SC301932

LHX9 (NM_001014434) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LHX9 (NM_001014434) Human Untagged Clone
Tag:	Tag Free
Symbol:	LHX9
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001014434 edited ATGCTGAACGGTACCACTCTAGAGGCAGCCATGCTCTTTCACGGGATCTCCGGAGGCCAC ATCCAAGGCATCATGGAGGAGATGGAGCGCAGATCCAAGACTGAGGCCCGTCTGGCCAAA GGCGCCCAGCTCAACGGCCGCGACGCGGGCATGCCCCCGCTCAGCCCGGAGAAGCCCGCC CTGTGCGCCGGCTGCGGGGGCAAGATCTCGGACAGGTACTATCTGCTGGCTGTGGACAAA CAGTGGCATCTGAGATGCCTGAAGTGCTGTGAATGTAAGCTGGCCCTCGAGTCCGAGCTC ACCTGCTTTGCCAAGGACGGTAGCATTTACTGCAAGGAGGATTACTACAGAAGGTTCTCT GTGCAGAGATGTGCCCGCTGCCACCTTGGCATTTCCGCCTCGGAGATGGTCATGCGCGCC CGAGACTCTGTCTACCACCTGAGCTGCTTCACCTGCTCCACTTGCAACAAGACTCTGACC ACGGGCGACCATTTCGGCATGAAGGACAGCCTGGTGTACTGCCGCGCCCACTTCGAGACC CTCTTGCAAGGAGAGTATCCACCGCAGCTGAGCTACACGGAGCTGGCGGCCAAGAGCGGC GGCCTGGCCCTGCCTTACTTCAACGGTACGGGCACCGTGCAGAAAGGGCGGCCCCGGAAG CGGAAGAGCCCAGCGCTGGGAGTGGACATCGTCAATTACAACTCAGGTTGTAATGAGAAT GAGGCAGACCACTTGGACCGGGACCAGCAGCCTTATCCACCCTCGCAGAAGACCAAGCGC ATGCGAACCTCTTTCAAGCATCACCAGCTCCGGACCATGAAATCCTACTTTGCCATCAAC CACAACCCGGATGCCAAGGACCTCAAGCAGCTTGCCCAGAAAACAGGTCTGACCAAAAGA GTTTTGCAGGTTTGGTTCCAAAACGCACGAGCCAAATTCAGAAGGAACCTTTTGCGGCAG GAGAATGGGGGTGTTGATAAAGCTGACGGCACGTCGCTTCCGGCCCCGCCCTCAGCAGAC AGCGGAGCTCTCACTCCACCCGGCACTGCGACCACTTTAACAGACCTGACCAATCCCACT ATCACTGTAGTGACATCCGTGACCTCTAACATGGACAGCCACGAATCCGGAAGCCCCTCA CAAACTACCTTAACAAACCTTTTCTAA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001014434 unedited
TTCAAGTTGTATACGACTCCTATAGGGCGGCCGCGAACCGGCACGAGGCTGAACGCAACC
TCAGAGCGTTTCTCTGGGCACCGGCCCGCGTCTGTGCCCTCTGCCCACCCCTTCCTCCTC
CCCCTCCCGATTTGGAAGCATAAACAGAAAATAAAAGACAGGTGGAGAGAGCTAAGGGTC
AGAGGGGGACCCTCAGAGAGACGCAGGGACTGGCCCGCACCTCTGGCCGCCGCCTCCCGC
CGAGAACCGAGTTCTAGTTGGGGAAACGTCTGACATCTGGACATCAAGTGCAACCACCAT
TACGGCGTGATCCACTCCTTTTCCTCTAAGAATGCTGAACGGTACCACTCTAGAGGCAGC
CATGCTCTTTCACGGGATCTCCGGAGGCCACATCCAAGGCATCATGGAGGAGATGGAGCG
CAGATCCAAGACTGAGGCCCGTCTGGCCAAAGGCGCCCAGCTCAACGGCCGCGACGCGGG
CATGCCCCCGCTCAGCCCGGAGAAGCCCGCCCTGTGCGCCGGCTGCGGGGGCAAGATCTC
GGACAGGTACTATCTGCTGGCTGTGGACAAACAGTGGCATCTGAGATGCCTGAAGTGCTG
TGAATGTAAGCTGGCCCTCGAGTCCGAGCTCACCTGCTTTGCCAAGGACGGTAGCATTTA
CTGCAAGGAGGATTACTACAGAAAGTTCTCTGTGCAGAGATGTGCCCGCTGCCACCTTGG
CATTTCCGCCTCGGAGATGGTCATGCGCGCCCGAGACTCTGTCTACCACCTGAGCTGCTT
CACCTGCTCCACTTGCAACAAGACTCTGACCACGGGCGACCATTTCGGCATGAAGACAGC
CTGTGTACTGCCGCGCCCACTTCGAGACCCTCTTGCAAGGAGAGTATCCACCGCAGCTGA
GCTACACGGAGCTGGCGCCAAAAGCGGCGGCCT

3' Read Nucleotide Sequence:

>Forward primer walk for NM_001014434 unedited
ATCATCTGCCGGGCGACCTTTCGGCATGAAGGACAGCCTGGTGTACTGCCGCGCCCACTT
CGAGACCCTCTTGCAAGGAGAGTATCCACCGCAGCTGAGCTACACGGAGCTGGCGGCCAA
GAGCGGCGGCCTGGCCCTGCCTTACTTCAACGGTACGGGCACCGTGCAGAAAGGGCGGCC
CCGGAAGCGGAAGAGCCCAGCGCTGGGAGTGGACATCGTCAATTACAACTCAGGTTGTAA
TGAGAATGAGGCAGACCACTTGGACCGGGACCAGCAGCCTTATCCACCCTCGCAGAAGAC
CAAGCGCATGCGAACCTCTTTCAAGCATCACCAGCTCCGGACCATGAAATCCTACTTTGC
CATCAACCACAACCCGGATGCCAAGGACCTCAAGCAGCTTGCCCAGAAAACAGGTCTGAC
CAAAAGAGTTTTGCAGGTTTGGTTCCAAAACGCACGAGCCAAATTCAGAAGGAACCTTTT
GCGGCAGGAGAATGGGGGTGTTGATAAAGCTGACGGCACGTCGCTTCCGGCCCCGCCCTC
AGCAGACAGCGGAGCTCTCACTCCACCCGGCACTGCGACCACTTTAACAGACCTGACCAA
TCCCACTATCACTGTAGTGACATCCGTGACCTCTAACATGGACAGCCACGAATCCGGAAG
CCCCTCACAAACTACCTTAACAAACCTTTTCTAACATTGGTTTTTTTTTTTTTAGTTTTT
AAATTCTTCCTCTTCTTTTTATTATTATTCTAATTATTATTATTTTATTATTTACAGACT
TTTTTTTTTTCTTTCTAACCCACAAGATATTTGGGGAATAAAAAATAACAGCTTGGTGTG
TAGCATCTGCAGCCACTTGGCAATGAGTTTACAGTAATTGTCTCCTTTAAGTGAATATTA
TTTTTGTCTTACAAAGTGTTATTTTGGAATTT

Restriction Sites: NotI-NotI

ACCN: NM_001014434

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

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] Transcript Variant: This variant (2) differs in the 5' UTR and coding region compared to variant 1, resulting in a protein that maintains the reading frame but has a shorter N-terminus.