

Product datasheet for SC107176

LHX9 (NM_020204) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LHX9 (NM_020204) Human Untagged Clone
Tag:	Tag Free
Symbol:	LHX9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107176 sequence for NM_020204 edited (data generated by NextGen Sequencing)

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ATGGAAATAGTGGGGTGCCGAGCAGAAGACAACCTCGTGTCTTTCCGCCCCAGCCATG
CTCTTTCACGGGATCTCCGGAGGCCACATCCAAGGCATCATGGAGGAGATGGAGCGCAGA
TCCAAGACTGAGGCCGCTGGCCAAAGCGCCAGCTCAACGGCCGCGACGCGGGCATG
CCCCCGCTCAGCCCGGAGAAGCCCGCCCTGTGCGCCGGCTGCGGGGGCAAGATCTCGGAC
AGGTACTATCTGTGGCTGTGGACAAACAGTGGCATCTGAGATGCCTGAAGTGCTGTGAA
TGTAAGCTGGCCCTCGAGTCCGAGCTCACCTGCTTTGCCAAGGACGGTAGCATTACTGC
AAGGAGGATTACTACAGAAGGTTCTCTGTGCAGAGATGTGCCCGCTGCCACCTTGGCATT
TCCGCCTCGGAGATGGTCATGCGCGCCGAGACTCTGTCTACCACCTGAGCTGCTTACC
TGCTCCACTTGCAACAAGACTCTGACCAGGGCGACCATTTCCGCATGAAGGACAGCCTG
GTGTACTGCCGCGCCCACTTCGAGACCCTCTTGCAAGGAGAGTATCCACCGCAGCTGAGC
TACACGGAGCTGGCGGCCAAGAGCGGCGCCTGGCCCTGCCTTACTTCAACGGTACGGGC
ACCGTGCAGAAAGGGCGGCCCGGAAGCGGAAGAGCCAGCGCTGGGAGTGGACATCGTC
AATTACAACCTCAGGTTGTAATGAGAATGAGGCAGACCCTTGGACCGGGACCAGCAGCCT
TATCCACCCTCGCAGAAGACCAAGCGCATGCGAACCTCTTTCAAGCATCACCAGCTCCGG
ACCATGAAATCCCACTTTGCCATCAACCACAACCCGGATGCCAAGGACCTCAAGCAGCTT
GCCAGAAAACAGGCTGACCAAAAAGATTTTGCAGGTTTGGTTCCAAAACGCACGAGCC
AAATTCAGAAGGAACCTTTTGCAGCAGGAGAATGGGGTGTGATAAAGCTGACGGCAGC
TCGCTTCCGGCCCGCCCTCAGCAGACAGCGGAGCTCTCACTCCACCCGCACTGCGACC
ACTTTAACAGACCTGACCAATCCCACTATCACTGTAGTGACATCCGTGACCTCTAACATG
GACAGCCACGAATCCGGAAGCCCTCACAACTACCTTAACAAACCTTTTCTAA

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Clone variation with respect to NM_020204.2
853 t=>c



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020204 unedited
 TTTGTATACGACTCCTATAGCGCGCCGCGNATTCGGCACGAGGGGAACGCTGAAAAAGCA
 CGTCTTTTTCTTTCTTTGTGTTCAAACATTTTCTTTCTTACCAGATTTTGTTTTCT
 CCCCCGCTGCAGTTGTTTCCATTAGTAACTCGATCTCTCAGAGCAGTAAGATTCGCT
 TCTACGCTCTTTTTCCCTCCGCCGAATTGTTTGTCTGACATCTCCTTACGGGAG
 CCGTGAGGCTTCCCCCAACTTCCAGTTCTTTTTGCTTCCCCTCGGCCCCCAAGC
 AGACCGATTTCCACTCCATCTGTTTCTTCTCCTCTTCTCCTCTTCCCTCTTCCCTCCATCC
 TCGAGCGTCTCTGCGCTCTACAGGGCAGCCCTCTCTGGTCCCTTGCCTCCTTCACTCGG
 ATGAGCTGAAAGCCCCGGCGTGTGTATATGAAATAGTGGGGTGCCGAGCAGAAGACAA
 CTCGTGCTCTTCCGCCCCAGCCATGCTCTTACGGGATCTCCGGAGGCCACATCCA
 AGGCATCATGGAGGAGATGGAGCGCAGATCCAGACTGAGGCCGCTGGCCAAAGCGCC
 CAGCTCAACGGCCGNACGCGGGCATGCCCCGCTCAGCCGGGAGAAGCCCGCCTGTG
 CGCCGGCTGCGGGGGCAGATCTCGACAGGACTATCTGCTGGGCTGTGGACAAACAGT
 GGCATCTGAGAGCCCTGGAGTGTGNGAATGTTAGCTGCCCTCGAGTCCGAGCTCACC
 TGCTTTGCCAGGGACGGGAGCATTTACTGCNAGGGAGATACTACCCGAAGNTTCTCGGG
 CAANAAATAGTCCGCTGCCACTTGGCATTTCGNCTGGGAGATGTCATGCGCGCCGANA
 CTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_020204 unedited
 TAAGCTATGCAACGCGGTCCGTTTATCTAAGATCGAGTTTTTTTTTTTTTTTTTGGCCT
 ATCACTCAAATTAATAGGATATATACAATTGGTTGGGCCATAAATATTTAGGGGACA
 CAGCCTATACAATGCATTTATCAATAAACAAGAAGCATGGCACAATTTGCTAGAGC
 ACTTACTGTACTATAACCACGACAGCTCAATATATAATATTATTGAATTTATCACTATA
 CTTGAAAGAGTGCCCAACTGCTTTGTATGACATGTTTGTCTCTTTAACAGGATACACCA
 TAAAAAGAGTTTCAGAAATAACAGGTAACAGTACAAAACACTAGCGAGGTGTTAAAGGG
 CTTAAATAGTTAATTTAACAAACAACATATATGCCTGATTTTTTACAAACTTACTTA
 TAAGTTATCTCATATGGGACATAGGACAACCGAGCTATAATTAGTCTACTTAATAAAGTA
 GATCTATATACCCCATATCTTGCCCTGTTAAAGAACAAAATTTATTAAGTGCCCATATT
 TTCATCTGTAAGTGTATTAATAACATCTCCACCTTACCAAGTTTGGCCGCTCTGCT
 AGCCCCAACCCCAATCTAATACACATTTAAAGCCCGATTTCCCTCATATAACAGCA
 AACATATTTTCAAATATTAGCCAAAAATCGTTTTTCCGTCCCAGCGCCCACTTACCTT
 CCCCCATTCTTTCTTACAACATAGTCTATTTCCGCGGTTTCCTCTACAACACCGCATT
 AAAGCTCAACCATGCATTTTACCGGGCCCGCCACCCGCCATCGTAACACACCTTTA
 TCCAGTTATAAGGCACCTTAATATTTATTAATCACCTCCTCCCATAGTGGGACTCCC
 CCGCTTTTACGCGCACCTTCCCTATCTCCCTACATCCTCTCACGCCCC

Restriction Sites:

NotI-NotI

ACCN:

NM_020204

Insert Size:

4000 bp

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).

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:	NM_020204.2 , NP_064589.2
RefSeq Size:	2515 bp
RefSeq ORF:	1194 bp
Locus ID:	56956
UniProt ID:	Q9NQ69
Cytogenetics:	1q31.3
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>