

Product datasheet for **SC305019**

LHX5 (NM_022363) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | LHX5 (NM_022363) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | LHX5 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene sequence for NM_022363 edited |

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CCAAAGGGAGGGCAAGGCGGCCAAGCCGCCGGGGCGCGGGGCTATGATGGTGCACTGCG
CCGGTTGCGAGCGGCCATCCTCGACCGCTTTCTGCTGAACGTGCTGGACCGCGCTGGC
ACATCAAATGTGTTCAGTGCTGCGAGTGCAAAACCAACCTCTCGGAGAAGTGCTTCTCGC
GCGAGGGCAAGCTCTACTGCAAAAATGACTTTTTTCAGGCGCTTTGGCACGAAATGCGCCG
GCTGCGCGCAAGGCATCTCACCCAGCGACCTGGTGCGCAAGGCCCGGAGCAAAGTCTTTT
ACCTCAACTGTTTCACCTGCATGGTGTGTAACAAGCAGCTGTCCACCGCGGAGGAGCTCT
ACGTCAATCGACGAGAACAAGTTCGTGTGCAAGACGACTACCTGAGCTCATCCAGCCTCA
AGGAGGGCAGCCTCAACTCAGTGTCATCCTGTACGGACCGCAGTTTGTCCCCGGACCTCC
AGGACGCACTGCAGGACGACCCCAAGAGACGGAACCTCGACCTCGTCGGACAAGGAGA
CGGCCAACACGAGAACGAGGAGCAGAACTCGGGCACCAAGCGGCGGGCCCCCGCACCA
CCATCAAGGCCAAGCAGCTGGAGACGCTCAAGGCTGCCTTCGCCGCCACGCCCAAGCCCA
CGCGCCACATCCGCGAGCAGCTGGCGCAGGAGACCGGCCTCAACATGCGCGTCATCCAGG
TGTGGTTTCAGAACCGACGGTCCAAAGAAGCCGGATGAAACAGCTGAGCGCCCTAGGCG
CCCGGAGGCACGCCTTCTCCGGAGTCCGCGGCGCATGCGTCCGCTGGGCGGCGCTTGG
ACGAGTCTGAGATGTTGGGGTCCACCCCGTACACCTACTACGGAGACTACCAAGGCGACT
ACTACGCGCCGGGAAGCAACTACGACTTCTTCGCGCACGGCCCGCTTCGACGGCGCAGT
CCCCGGCCGACTCCAGCTTCTTGCGGCCTCTGGCCCCGGCTCGACGCCGCTGGGAGCGC
TGGAACCGCCGCTCGCCGGCCCGCACGCGCGGACAACCCAGGTTACCGACATGATCT
CGCACCCGGACACACCGAGCCCCGAGCCAGGCCTGCCGGGCACGCTGCACCCCATGCCCG
GCGAGGTATTAGCGGGCGGGCCAGCCCGCCCTTCCCAATGAGCGGCACCGCGGTACA
GCGGACCCCTGTGCGATCCCAACCCCGAGCTCAACGAAGCCGCGGTGTGGTAAGGCCGCC
GGGCCGCCCCCGCGCTCGGCCCGGGGGGCCCGCCCCGAAGCAGCCTCCTGAAACCA
AACGCCGACGACGAGCGGTGGGAGACGTGGGTGTCCCTCGGGGTTCTCTCTCGGGTC
CGCACTCAACTGGCAGCTGCTCCTCGGCTGGGCGCCGAGGGGGGGCCGACCCCATCTCC
ACCCGCGGGGCTCTCAGGAGCCTCAGCCACCGCCAGTA

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Restriction Sites: Please inquire



[View online »](#)

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| ACCN: | NM_022363 |
| Insert Size: | 1500 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). |
| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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: | <u>NM_022363.2</u> , <u>NP_071758.1</u> |
| RefSeq Size: | 2084 bp |
| RefSeq ORF: | 1209 bp |
| Locus ID: | 64211 |
| UniProt ID: | <u>Q9H2C1</u> |
| Cytogenetics: | 12q24.13 |
| Protein Families: | Druggable Genome |
| Gene Summary: | This gene encodes a protein belonging to a large protein family, members of which carry the LIM domain, a unique cysteine-rich zinc-binding domain. The encoded protein may function as a transcriptional regulator and be involved in the control of differentiation and development of the forebrain. In mice, this protein is essential for the regulation of precursor cell proliferation and the control of neuronal differentiation and migration during hippocampal development. This protein is involved in learning and motor functions in adult mice. [provided by RefSeq, Jul 2008] |