

Product datasheet for **SC101525**

LHX4 (NM_033343) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LHX4 (NM_033343) Human Untagged Clone
Tag:	Tag Free
Symbol:	LHX4
Synonyms:	CPHD4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_033343 edited
 GAGAGATCTCCGTAGACTGCGACTCGCTGGCTTTCGCTCCGAGATGATGCAGAGTGCAGC
 TGTCCTCCCGCGGAAGGGGCTGTCAAGGGGCTCCCGGAGATGCTAGGTGTGCCGATGCAACA
 GATTCCCCAGTGCCTGGCTGCAACCAGCACATCCTGGACAAGTTCATCCTGAAGGTCT
 GGACAGACTGGCACAGCTCCTGCCTCAAGTGTGCAAGTGCAGACTGCCAGATGCAGCTGGCGGA
 CAGGTGCTTCTCCAGGGCTGGGAGCGTCTACTGCAAGGAGGACTTCTTCAAGCGTTCGG
 CACAAAATGCACGGCTGCCAGCAGGGTATCCCCCAACCCAGGTGGTCCGCAAGGCCA
 GGACTTTGTCTACCACCTGCACTGCTTTGCTTGATCATCTGCAACCGGAGCTGGCCAC
 GGGGACGAATTCTACCTCATGGAGGACGGGCGCTGGTGTGCAAGGAAGACTACGAGAC
 AGCCAAGCAGAACGATGACTCAGAGGCTGGAGCTAAGCGGCCCGGACCACCATCACAGC
 CAAGCAGCTGGAGACATTAAGAATGCATACAAGAACTCCCCAAGCCTGCCCGGACGT
 GAGGGAGCAGCTGCTCAGAGACAGGCTGGACATGAGGGTGTACAGGTTTGGTTTCA
 GAACAGAAGGGCCAAAGAGAAACGCCTGAAGAAGGATGCAGGGCGGCACCCTGGGGCA
 GTTCTATAAGAGCGTCAAGAGGAGCCGGGCGAGCAGCAAGCAGGAGAAGGAGAGCTTGC
 AGAGGACTGTGGGTTAGTGACAGTGTGCTGAGCTTCCGAGAGGATCAAATCTCTCAGA
 ACTTGGCCACACCAATAGGATTTATGGCAACGTGGGGGACGTTACAGGGCGACAGTTAAT
 GAATGGGAGCTTCTCCATGGACGGGACAGGACAATCCTATCAGGACTTGAGGGATGGGAG
 CCCCTATGGAATCCCCAGTCTCCATCCTCCATATCGTCCCTGCCATCCCACGCTCCTTT
 GCTCAATGGGCTGGATTACACGGTGGACAGTAATTTGGGCATCATTGCGCATGCAGGGCA
 GGGAGTAAGCCAGACGCTGAGAGCCATGGCTGGGGACCCACCTTGACATCTCCACAGG
 AAGCAGTGTAGGCTATCCCGACTTTCCTCACTAGCCAGGCTCTTGGCTCGATGAAATGGA
 TCATCCTCCTTTTTAACTTCTCTCCTCCCACCTACCTGCCCCCTGGCTTGAGAGAA
 TATCTTCAAGGATCAAAAAGACTTGCCTTTTAAGGATCGAAAGTACGCCAATGTGAAT
 TCCATTATTTTCAATGGAAGTCCCTCCGCTGATTCTAGAAAGGCTGTGAGACCACACTAGG
 GCATTGTTTCCCTGGGAAGCAGTGGGAGAGCAGACTCATCTCAGAACACAGCACAGGGG
 GTAATGGCCTAGAGCTCTAGGGACACTGGCTTGTGGGTCTCTCCCTGCTGTTCTGCTT
 AGGGGCTTGGCTGCTCAGTGCTTTGGTAGCACAAGGTGACTGTGATAGGCCCCCTTGGCC
 TTTGGAACTTTGCTCCAAGTGTGTCTCACACAATGCCTCCAAAACACTGCTCTCA
 CCAGAAGTGTGACTCCTAAGGTAGAGGCCTCACAGCCCTTGAGTAAAATAAAAAGTATT
 CTGGACCATCAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_033343 unedited
 GGCAAACCTTCGTTAANNTTNAACCGNATTCNACTATNAGGGCGGGCGCAAATTCGGC
 ACGAGGGAGAGATCTCCGTAGACTGCGACTCGCTGGCTTTCGCTCCGAGATGATGCAGAG
 TGCGACTGTCCCCGCGGAAGGGGCTGTCAAGGGGCTCCCGGAGATGCTAGGTGTGCCGAT
 GCAACAGATTTCCAGTGCCTGGCTGCAACCAGCACATCCTGGACAAGTTCATCCTGAA
 GGTCTGGACAGACTGGCACAGCTCCTGCCTCAAGTGTGCAAGTGCAGACTGCCAGATGCAG
 GCGGACAGGTGCTTCTCCAGGGCTGGGAGCGTCTACTGCAAGGAGGACTTCTTCAAGCG
 CTTCCGGCACAAAATGCACGGCTGCCAGCAGGGTATCCCCCAACCCAGGTGGTCCGCAA
 GGCCAGGACTTTGTCTACCACCTGCACTGCTTTGCTTGATCATCTGCAACCGGAGCT
 GGCCACGGGGACGAATTCTACCTCATGGAGGACGGGCGGCTGGTGTGCAAGGAAGACTA
 CGAGACAGCCAAGCAGAACGATGACTCAGAGGCTGGAGCTAAGCGGCCCGGACCACCAT
 CACAGCCAAGCAGCTGGAGACATTAAGAATGCATACAAGAACTCCCCAAGCCTGCCCCG
 GCAGTGTAGGGAGCAGCTGCTCAGAGACAGGCTGGACATGAGGGTGTACAGGTTTGG
 GTTTCAGAACAGAAGGGCCAAAGAGAAACGCCTGAAGAATGATGCAGGGCGGCACCCTG
 GGGCAGTTCTATAAGAGCGTCAAGAGGAGCCGNGCAGCAGCAAGCAGGAGAAGGAGAG
 CTCTGCAAGGACTGTGGNNGTAGTGACAGTGTGCTGAGCTTTCGAGAGGATCAAATNCT
 CTCAGAAGTGGCCACACCCAATAGGATTAT

Restriction Sites: Please inquire
ACCN: NM_033343

Insert Size:	1742 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_033343.2 , NP_203129.1
RefSeq Size:	1913 bp
RefSeq ORF:	1173 bp
Locus ID:	89884
UniProt ID:	Q969G2
Cytogenetics:	1q25.2
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene encodes a member of a large protein family which contains the LIM domain, a unique cysteine-rich zinc-binding domain. The encoded protein is a transcription factor involved in the control of differentiation and development of the pituitary gland. Mutations in this gene cause combined pituitary hormone deficiency 4. [provided by RefSeq, Dec 2010]