

Product datasheet for **RR210717**

Lhx6 (NM_001107837) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lhx6 (NM_001107837) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lhx6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210717 representing NM_001107837
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGTACTGGAAGCATGAGAGCGCCGCCGGGCTGCCGGTTACCGCGGAGGGCGGCCCCACCACCGACC
 AGGTGATGGCCAGCCAGGGTCCGGCTGCAAAGCGACCACCCGCTGTCTGAAGGACCGCTCCGCCTGC
 CATGGCTCAGTCAGACGCCGAGGCCTTGGCAGGCCTCTGGACAAGGACGAAGGTAGAGCCTCCCATGT
 ACGCCACGACACCCCTCTGTCTGCTCGCCGCCCTCTGCCGCTCTCCGTGCCGTCTGCTGGCAAGAATA
 TCTGCTCCAGTTGCGGTCTCGAGATCCTGGACCGTATCTGCTCAAGGTCAACAACCTCATCTGGCACGT
 GCGGTGCCTCGAGTGCTCCGTGTGTCGCACATCGCTGAGGCAGCAGAATAGCTGCTACATCAAGAACAAG
 GAGATCTACTGCAAGATGGACTACTTCAGCCGATTTGGAACCAAGTGTGCCCGGTGCGGCAGACAAATCT
 ATGCCAGTGACTGGGTGCGGCGCGCGCGGCAATGCCTACCACCTGGCCTGCTTCGTTGCTTTTCCTG
 CAAGCGCCAGCTATCCACGGGCGAGGAATTCGGCCTGGTTGAGGAGAAGGTGCTTTGCCCATCCATTAC
 GACACCATGATCGAGAACCTCAAGAGGGCCGCCGAGAACGGGAACGGTCTCACGTTGGAGGGGCGAGTGC
 CCTCGAACAGGACAGTCAGCCCAAGCCAGCTAAGCGCGCGGGACGTCCTTACGGCAGAGCAATTGCA
 GGTATGCAGGCTCAGTTCGCGCAGGACAACAACCCGACGCGCAGACGCTGCAGAAGCTAGCGGACATG
 ACGGGCCTCAGTCGCAGGGTATCCAGGTGTGGTTTCAAAACTGCCGAGCGGTCATAAAAAGCATACAC
 CGCAGCACCCAGTGCCGCCCTCTGGGGCACCCCGTCCCGCTCCCTCCTCCCTGTCCGACGACATCCA
 CTATTCTCCGTTCCAGCAGCCAGAGCGGGCACGCATGGTACCTTGCACGGCTACATCGAGAGTCAGGTA
 CAGTGGGGCAGGTGCACTGCCGACTGCCTTACACCGCGCCCCCTGTCCACCTCAAAGCCGACATGGATG
 GGCCGCTCTCCAGCCGGGGTGAGAAGGTATCCTTTTTTCAGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210717 representing NM_001107837
 Red=Cloning site Green=Tags(s)

MYWKHESAAPGCRLPAEGGPTTDQVMAQPGSGCKATTRCLEGTAPPAMAQSDAEALAGALDKDEGRASPC
 TPSTPSVCSPSPAASSVPSAGKNICSSCGLEILDYLLKVNLIWHVRCLECSVCRTSLRQQNSCYIKNK
 EIYCKMDYFSRFGTKCARCGRQIYASDWVRRRARGNAYHLACFACFSCKRQLSTGEFFGLVEEKVLCRIHY
 DTMIENLKRAAENGNLTLEGAVPSEQDSQPKPAKRARTSFTAELQVMQAQFAQDNNPDAQTLQKLADM
 TGLSRRVIQVWFQNCRARHKKHTPQHPVPPSGAPPSRLPSSLSDDIHYSFPSSPERARMVTLHGYESQV
 QCGQVHCRLPYTAPPVHLKADMDGPLSSRGEKIVLFQY

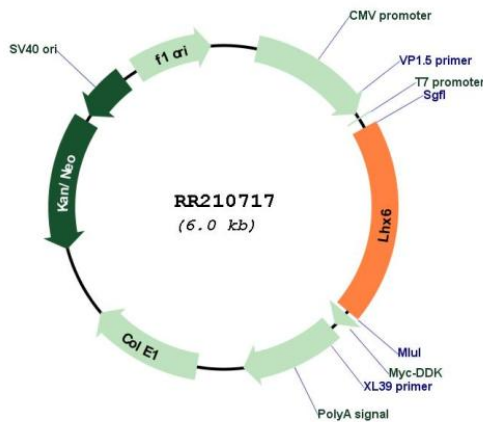
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107837

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:	<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_001107837.1 , NP_001101307.1
RefSeq Size:	3407 bp
RefSeq ORF:	1167 bp
Locus ID:	311901
Cytogenetics:	3p11
MW:	42.7 kDa