

Product datasheet for **RR207759**

Lhx1 (NM_145880) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lhx1 (NM_145880) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lhx1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR207759 representing NM_145880 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCCTGTGCGGGCTGCAAAGGCCATTCTGGACCGTTTCTCTTGAACGTGCTGGACAGGGCCT
GGCACGTCAAGTGCCTCCAGTGTGAATGTAATGCAACCTGACCGAGAAGTCTTCCCGGGAAGG
CAAGCTCTACTGTAAAAACGACTTCTCCGATGTTTCGGTACCAATGCGCGGGTTGTGCGCAGGGCATC
TCTCCAAGCGATCTGGTTCGGAGAGCGCGAAGCAAAGTGTTCACCTCACTGCTTCACCTGCATGATGT
GTAACAAGCAGCTCTCCAGGGCGAGGAGCTCTACATCATCGATGAGAACAAGTTCGTTTGTAAAGAGGA
TTACCTGAGTAACAGCAGTGTGCGCAAAGAGAACAGCCTCCACTCGGCCACCACAGGCAGTGACCTAGT
TTATCTCCGGATTCCAAGATCCATCGCAGGATGATGCCAAGGACTCTGAAAGTGCCAACGTATCGGATA
AGGAAGGTGGTAGCAATGAGAACGATGACCAGAACCTAGGTGCCAAGCGCAGGGGACCGCGGACCACGAT
CAAAGCCAAGCAACTGGAGACGTTGAAGGCAGCCTTTCAGCTACGCCTAAGCCACACGCCATATCCGC
GAGCAATTGGCCAGGAGACTGGCCTCAACATGCGTGTTATCCAGTCTGGTTCAGAATCGACGCTCCA
AGGAGCGGAGGATGAAGCAGCTAAGCGCGCTGGGTGCGCGGCCACGCCTTTTTCCGAGTCTCGCCG
GATGCGGCCTCTGGTGGACCGCTTGGAGCCGGGGAACATCCCTAACGGCCCTTCTCCTTTTATGGA
GATTACCAGAGTGAGTACTACGGTCTGGAGGCAACTACGACTTCTTCCGCAAGGACCACCGTCTCGC
AGGCCACAGACACAGTGGACCTACCCTTTGTGCCATCATCTGGGCCTTCGGGGACGCCCTTGGAGGTCT
GGACCACCCGCTGCCTGGCCACCATCCTTCCAGCGAGGCGCAGCGATTCACTGACATCCTGGCACATCCC
CCAGGGGACTCGCTAGTCTGAGCCAGCTTGCCCGGCCTCTCCACTCCATGTCTGCGGAGGTCTTTG
GGCCAGTCCACCTTTCTCATCTGTGCGGTCAATGGTGGAGCCAGCTACGGGAATCACTGTCTCACCC
TCCTGAAATGAATGAGGCAGCCGTGTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR207759 representing NM_145880
Red=Cloning site Green=Tags(s)

MVHCAGCKRPILDRFLLNVLDRAWHVKCVQCCECKCNL TEKCF SREGKLYCKNDFFRFCGKTCAGCAQGI
 SPSDLVRRARSKVFHLCNFTCMCMCNQLSTGEELYIIDENKFVCKEDYLSNSSVAKENSLHSATTGSDPS
 LSPDSQDPSQDDAKDSESANVSDKEGGSNENDDQNLGAKRRGPRTTIKAKQLET LKAAFAATPKPTRHIR
 EQLAQETGLNMRVIQVWFQNRRSKERRMKQLSALGARRHAFFRSPRRMRPLVDRLEPGELIPNGPFSFYG
 DYQSEYYGPGGNYDFFPQGPSSQAQTPVDLPFVPSSGPGTPLGGLDHPLPGHHPSSSEAQRFTDILAHP
 PGDSPSPPEPSLPGPLHMSAEVFGSPPFSSLSVNGGASYGNHLSHPPEMNEAAVW

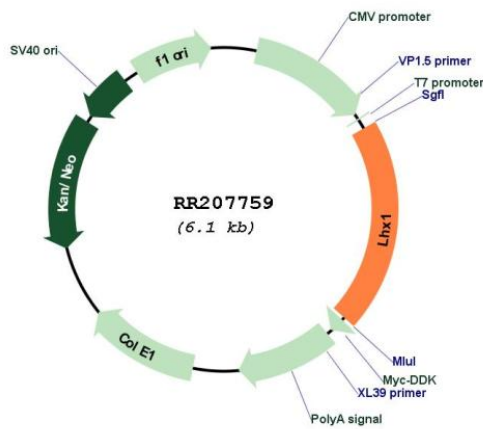
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_145880

ORF Size:	1218 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_145880.3 , NP_665887.3
RefSeq Size:	1938 bp
RefSeq ORF:	1221 bp
Locus ID:	257634
UniProt ID:	P63007
Cytogenetics:	10q26
MW:	44.8 kDa
Gene Summary:	may play a role in the regulation of genes in specific neuronal subtypes [RGD, Feb 2006]