

Product datasheet for **MR226756**

Lhx6 (NM_001083127) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lhx6 (NM_001083127) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lhx6
Synonyms: Lhx6.1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR226756 representing NM_001083127
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCAGCCAGGGTCCGGCTGCAAAGCGACCACCCGCTGTCTCGAAGGGACCGCTCCGCCTGCCATGG
CTCAGTCAGACGCAGAGGCCCTTGGCAGGCGCTCTGGACAAGGACGAAGGTAGAGCCTCCCATGTACGCC
CAGCACACCGTCTGTCTGCTCGCCGCCCTCTGCTGCCTCTTCCGTGCCGTCTGCCGGCAAGAATATCTGC
TCCAGTTGCGGTCTGGAGATCCTGGACCGGTATCTGCTCAAGGTCAACAACCTCATCTGGACGTGCGGT
GCCTCGAGTGCTCCGTGTGTCGCACATCGCTGAGGCAGCAGAATAGCTGCTACATCAAGAACAAGGAGAT
CTACTGCAAGATGGACTACTTCAGCCGATTTGGAACCAAGTGCGCCCGGTGCGGCAGACAAATCTATGCC
AGTGACTGGGTGCGGCGCGCACGCGGCAATGCCTACCACCTGGCATGTTTCGCCTGCTTTTCCTGCAAGC
GCCAGCTATCCACCGGTGAGGAATTCGGCCTCGTTGAGGAGAAGGTGCTTTGCCGCATCCATTACGACAC
CATGATCGAGAACCTCAAGAGGGCCGCCGAGAACGGGAACGGTCTCACGCTGGAGGGGCGAGTGCCTCG
GAACAGGACAGTCAGCCCAAGCCAGCCAAGCGCGCGGACGTCCTTACCCGACAGCAATTGCAGGTTA
TGCAGGCGCAGTTCCGCGCAGGACAACAACCCGGACGCGCAGACGCTGCAGAAGCTAGCGGACATGACGGG
CCTCAGTCGCAGGTCATCCAGGTGTGGTTTCAAACCTGCCGAGCGCTCATAAAAAGCATACCCGCAG
CACCCAGTGCCGCCCTCTGGGGCACCCCGACCCGCTCCCTTCTGCCCTGTCCGACGACATCCACTACT
CTCCGTTCCAGCAGCCAGAGAGGGCGCGCATGGTACCTTGCACGGCTACATTGAGAGTCATCCTTTTTC
AGTACTAACGCTGCCGGCGCTTGACATCTGTCCATGGGCACCACACAGCTGCCCTCAGCCGC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR226756 representing NM_001083127
 Red=Cloning site Green=Tags(s)

MAQPGSGCKATTRCLEGTAPPAMAQSDAEALAGALDKDEGRASPCTPSTPSVCSPPSAASSVPSAGKNIC
 SSCGLEILDYLLKVNLIWHVRCLECSVCRTSLRQNSCYIKNKEIYCKMDYFSRFGTKCARCGRQIYA
 SDWVRRARGNAYHLACFACFSCKRQLSTGEEFGLVEEKVLCRIHYDTMIENLKRAAENGLTLEGAVPS
 EQDSQPKPAKRARTSFTAELQVMQAQFAQDNNPDAQTLQKLADMTGLSRRVIQVWFQNCRARHKHHTPQ
 HPVPPSGAPTRLPSALSDDIHYSPPFSSPERARMVTLHGYIESHPFSVLTLPALAHL SMGTTQLPLSR

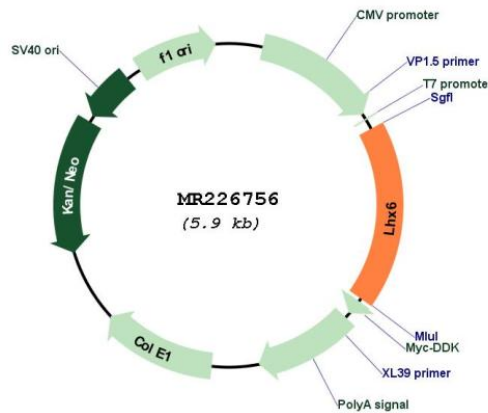
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001083127

ORF Size: 1044 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_001083127.1 , NP_001076596.1
RefSeq Size:	3205 bp
RefSeq ORF:	1047 bp
Locus ID:	16874
UniProt ID:	Q9R1R0
Cytogenetics:	2 B
MW:	38.7 kDa
Gene Summary:	Probable transcription factor required for the expression of a subset of genes involved in interneurons migration and development. Functions in the specification of cortical interneuron subtypes and in the migration of GABAergic interneuron precursors from the subpallium to the cerebral cortex.[UniProtKB/Swiss-Prot Function]