

Product datasheet for MR205571

Lhx6 (NM_001083126) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lhx6 (NM_001083126) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lhx6
Synonyms:	Lhx6.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205571 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGCCAGGGTCCGGCTGCAAAGCGACCACCCGCTGTCTCGAAGGGACCGCTCCGCCTGCCATGG
CTCAGTCAGACGCAGAGGCCTTGGCAGGCGCTCTGGACAAGGACGAAGGTAGAGCCTCCCATGTACGCC
CAGCACACCGTCTGTCTGCTCGCCGCCCTCTGCTGCCTCTTCCGTGCCGTCTGCCGGCAAGAATATCTGC
TCCAGTTGCGGTCTGGAGATCCTGGACCGGTATCTGCTCAAGGTCAACAACCTCATCTGGCAGCTGCGGT
GCCTCGAGTGCTCCGTGTGTCGCACATCGCTGAGGCAGCAGAATAGCTGCTACATCAAGAACAAGGAGAT
CTACTGCAAGATGGACTACTTCAGCCGATTTGGAACCAAGTGCGCCCGGTGCGGCAGACAAATCTATGCC
AGTGACTGGGTGCGGCGCGCACGCGCAATGCCTACCACCTGGCATGTTTCGCCTGCTTTTCTGCAAGC
GCCAGTATCCACCGGTGAGGAATTCGGCTCGTTGAGGAGAAGGTGCTTTGCCGCATCCATTACGACAC
CATGATCGAGAACCTCAAGAGGGCCGCCGAGAACGGGAACGGTCTCACGCTGGAGGGGCGAGTGCCTCG
GAACAGGACAGTCAGCCCAAGCCAGCCAAGCGCGCGGGACGCTCCTTACCAGCAGAGCAATTGCAGGTTA
TGCAGGCGCAGTTCGCGCAGGACAACAACCCGGACGCGCAGACGCTGCAGAAGCTAGCGGACATGACGGG
CCTCAGTCGCAGGGTCACTCAGGTGTGGTTTCAAACCTGCCGAGCGCGTCATAAAAAGCATACACCCGAG
CACCCAGTCCCGCCCTCTGGGGCACCCCGACCCGCTCCCTTCTGCCCTGTCCGACGACATCCACTACT
CTCCGTTACAGCAGCCAGAGAGGGCGCGCATGGTCACCTTGCACGGCTACATTGAGAGTCAGGTACAGTG
CGGGCAGGTGCACTGCCGACTGCCTTACACCGCGCCCTGTCCACCTCAAAGCTGATTTGACGGCCCG
CTCTCCAGCCGGGTGAGAAGGTCATCCTTTTTAGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205571 protein sequence
 Red=Cloning site Green=Tags(s)

MAQPGSGCKATTRCLEGTAPPAMAQSDAEALAGALDKDEGRASPCTPSTPSVCSPPSAASSVPSAGKNIC
 SSCGLEILDYLLKVNLIWHVRCLECSVCRTSLRQQNSCYIKNKEIYCKMDYFSRFGTKCARCGRQIYA
 SDWVRRARGNAYHLACFACFSCKRQLSTGEEFGLVEEKVLCRIHYDTMIENLKRAAENGGLTLEGAVPS
 EQDSQPKPAKRARTSFTAELQVMQAQFAQDNNPDAQTLQKLADMTGLSRRVIQVWFQNCRARHKKHTPQ
 HPVPPSGAPTRLPSALSDDIHYSPPSSPERARMVTLHGVIYESQVQCGQVHCRPLPYTAPPVHLKADLDGP
 LSSRGEKVILFQY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001083126

ORF Size: 1092 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:

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_001083126.1](#), [NP_001076595.1](#)

RefSeq Size: 3309 bp

RefSeq ORF: 1092 bp

Locus ID: 16874

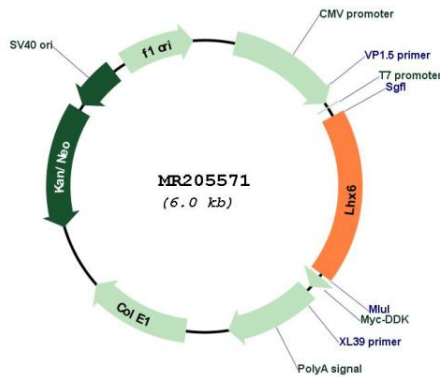
UniProt ID: [Q9R1R0](#)

Cytogenetics: 2 B

MW: 40 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]

Product images:



Circular map for MR205571