

Product datasheet for MR226752

Lhx6 (NM_001083125) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lhx6 (NM_001083125) 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: >MR226752 representing NM_001083125
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTA**CTGGAAGCATGAGAGCGCCGCCCGCGCTGCCGAGGGCTGCCGTTGCCGGCGGAGGGCGGCC**
CCACCACCGACCAGGTGATGGCCAGCCAGGGTCCGGTGCAAAGCGACCACCGCTGTCTCGAAGGGAC
CGCTCCGCTGCCATGGCTCAGTCAGACGCAGAGGCCCTGGCAGGCGCTCTGGACAAGGACGAAGGTAGA
GCCTCCCCATGTACGCCAGCACACCGTCTGTCTGCTCGCCGCCCTCTGCTGCCTCTTCCGTGCCGCTG
CCGGCAAGAATATCTGCTCCAGTTGCGGTCTGGAGATCCTGGACCGGTATCTGCTCAAGTCAACAACCT
CATCTGGCACGTGCGGTGCCTCGAGTGCTCCGTGTGTCGCACATCGCTGAGGCAGCAGAATAGCTGTAC
ATCAAGAACAAGGAGATCTACTGCAAGATGGACTACTTCAAGCGATTTGGAACCAAGTGCGCCCGGTGCG
GCAGACAAATCTATGCCAGTGACTGGGTGCGGCGCGCACGCGCAATGCCTACCACCTGGCATGTTTCGC
CTGCTTTTCTGCAAGCGCCAGCTATCCACCGGTGAGGAATTCGGCCTCGTTGAGGAGAAGGTGCTTTGC
CGCATCCATTACGACACCATGATCGAGAACCTCAAGAGGGCCGCCGAGAACGGGAACGGTCTCACGCTGG
AGGGGGCAGTGCCTCGGAACAGGACAGTCAGCCCAAGCCAGCCAAGCGCGCGGACGTCCTTCAACCGC
AGAGCAATTGCAGTTATGCAGGCGCAGTTCGCGCAGGACAACAACCCGGACGCGCAGACGCTGCAGAAG
CTAGCGGACATGACGGCCTCAGTCGAGGGTCATCCAGGTGTGGTTTCAAACCTGCCGAGCGCGTCATA
AAAAGCATACCCGACGACCCAGTGCCGCCCTCTGGGGCACCCCGACCCGCTCCCTTCTGCCCTGTC
CGACGACATCCACTACTCTCCGTTCAAGAGCCAGAGAGGGCGCGCATGGTACCTTGCACGGCTACATT
GAGAGTCATCCTTTTTCAGTACTAACGCTGCCGGCGCTTGACATCTGTCCATGGGCACCACACAGCTGC
CCCTCAGCCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR226752 representing NM_001083125
 Red=Cloning site Green=Tags(s)

MYWKHESAAPALPEGCR LPAEGGPTTDQVMAQPGSGCKATTRCLEGTAPPAMAQSDAEALAGALDKDEGR
 ASPCTPSTPSVCSPPSAASSVPSAGKNICSSCGLEILDRLKVNLIWVRCLECSVCRTSLRQQNSCY
 IKNKEIYCKMDYFSRFGTKCARCGRQIYASDWVRRARGNAYHLACFACFSCKRQLSTGEEFGLVEEKVLC
 RIHYDTMIENLKRAAENGLTLEGAVPSEQDSQPKPAKRARTSFTAEQLQVMQAQFAQDNNPDAQTLQK
 LADMTGLSRRVIQVWFQNCRARHKHTPQHPVPPSGAPPTRLPSALSDDIHYSPFSSPERARMVTLHGYI
 ESHPFVLTLPALAHLSMGTTQLPLSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001083125

ORF Size: 1131 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_001083125.1](#), [NP_001076594.1](#)

RefSeq Size: 3395 bp

RefSeq ORF: 1134 bp

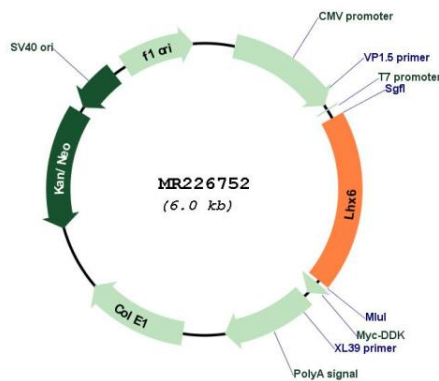
Locus ID: 16874

Cytogenetics: 2 B

MW: 41.8 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 MR226752