

Product datasheet for **MG226752**

Lhx6 (NM_001083125) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lhx6 (NM_001083125) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lhx6
Synonyms:	Lhx6.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG226752 representing NM_001083125 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTA**CTGGAAGCATGAGAGCGCCGCCCGCGCTGCCGAGGGCTGCCGTTGCCGGCGGAGGGCGGCC**
CCACCACCGACAGGTGATGGCCAGCCAGGGTCCGGTGCAAAGCGACCACCGCTGTCTCGAAGGGAC
CGCTCCGCTGCCATGGCTCAGTCAGACGCAGAGGCCCTTGGCAGGCGCTCTGGACAAGGACGAAGGTAGA
GCCTCCCATGTACGCCAGCACACCGTCTGTCTGCTCGCCGCCCTCTGCTGCCTCTTCCGTGCCGCTGTG
CCGGCAAGAATATCTGCTCCAGTTGCGGTCTGGAGATCCTGGACCGGTATCTGCTCAAGGTCAACAACCT
CATCTGGCACGTGCGGTGCCTCGAGTGCTCCGTGTGTCGCACATCGCTGAGGCAGCAGAATAGCTGTAC
ATCAAGAACAAGGAGATCTACTGCAAGATGGACTACTTCAAGCCGATTTGGAACCAAGTGCGCCCGGTGCG
GCAGACAAATCTATGCCAGTGACTGGGTGCGGCGCGCACGCGCAATGCCTACCACCTGGCATGTTTCGC
CTGCTTTTCTGCAAGCGCCAGCTATCCACCGGTGAGGAATTCGGCTCGTTGAGGAGAAGGTGCTTTGC
CGCATCCATTACGACACCATGATCGAGAACCTCAAGAGGGCCGCCGAGAACGGGAACGGTCTCACGCTGG
AGGGGGCAGTGCCTCGGAACAGGACAGTCAGCCCAAGCCAGCCAAGCGCGCGGACGTCCTTACCAGC
AGAGCAATTGCAGTTATGCAGGCGCAGTTCGCGCAGGACAACAACCCGGACGCGCAGACGCTGCAGAAG
CTAGCGGACATGACGGGCTCAGTCGAGGGTCATCCAGGTGTGGTTTCAAACCTGCCGAGCGCGTCATA
AAAAGCATACACCGCAGCACCCAGTGCCGCCCTCTGGGGCACCCCGACCCGCTCCCTTCTGCCCTGTC
CGACGACATCCACTACTCTCCGTTCCAGCAGCCAGAGAGGGCGCGCATGGTACCTTGCACGGCTACATT
GAGAGTCATCCTTTTTCAGTACTAACGCTGCCGCGCTTGCACATCTGTCCATGGGCACCACACAGCTGC
CCCTCAGCCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG226752 representing NM_001083125
 Red=Cloning site Green=Tags(s)

MYWKHESAAPALPEGCRPLPAEGGPTTDQVMAQPGSGCKATTRCLEGTAPPAMAQSDAEALAGALDKDEGR
 ASPCTPSTPSVCSPPSAASSVPSAGKNICSSCGLEILDYRLLKVNLIWVRCLECSVCRTSLRQQNSCY
 IKNKIYCKMDYFSRFGTKCARCGRQIYASDWVRRARGNAYHLACFACFSCKRQLSTGEFGLVEEKVLC
 RIHYDTMIENLKRAAENGNLTLGAVPSEQDSQPKPAKRARTSF TAEQLQVMQAQFAQDNNPDAQTLQK
 LADMTGLSRRVIQVWFQNCRARHKHTPQHPVPPSGAPPTRLPSALSDDIHYSPFSSPERARMVTLHGYI
 ESHPFVLTLPALAHLSMGTTLPLSR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

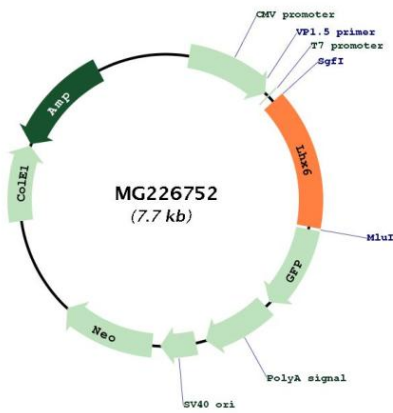
RefSeq ORF: 1134 bp

Locus ID: 16874

Cytogenetics: 2 B

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 MG226752