

Product datasheet for **MG226749**

Lhx6 (NM_008500) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lhx6 (NM_008500) 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: >MG226749 representing NM_008500
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTA**CTGGAAGCATGAGAGCGCCGCCCGCGCTGCCGAGGGCTGCCGTTGCCGGCGGAGGGCGGCC**
CCACCACCGACCAGGTGATGGCCAGCCAGGGTCCGGTGCAAAGCGACCACCCGCTGTCTCGAAGGGAC
CGCTCCGCTGCCATGGCTCAGTCAGACGCAGAGGCCCTTGGCAGGCGCTCTGGACAAGGACGAAGGTAGA
GCCTCCCATGTACGCCAGCACACCGTCTGTCTGCTCGCCGCCCTCTGCTGCCTCTTCCGTGCCGCTG
CCGGCAAGAATATCTGCTCCAGTTGCGGTCTGGAGATCCTGGACCGGTATCTGCTCAAGGTCAACAACCT
CATCTGGCACGTGCGGTGCCTCGAGTGCTCCGTGTGTCGCACATCGCTGAGGCAGCAGAATAGCTGCTAC
ATCAAGAACAAGGAGATCTACTGCAAGATGGACTACTTACGCCGATTTGGAACCAAGTGCCGCCGCTGCG
GCAGACAAATCTATGCCAGTGACTGGGTGCGGCGCGCACGCGCAATGCCTACCACCTGGCATGTTTCGC
CTGCTTTCTGCAAGCGCCAGCTATCCACCGGTGAGGAATTCGGCCTCGTTGAGGAGAAGGTGCTTTGC
CGCATCCATTACGACACCATGATCGAGAACCTCAAGAGGGCCGCCGAGAACGGGAACGGTCTCACGCTGG
AGGGGGCAGTGCCTCGGAACAGGACAGTCAGCCCAAGCCAGCCAAGCGCGCGGACGTCCTTACC
AGAGCAATTGCAGTTATGCAGGCGCAGTTCGCGCAGGACAACAACCCGGACGCGCAGACGCTGCAGAAG
CTAGCGGACATGACGGGCTCAGTCGAGGGTCATCCAGGTGTGGTTTCAAACCTGCCGAGCGGCTCATA
AAAAGCATACACCGCAGCACCCAGTGCCGCCCTCTGGGGCACCCCGACCCGCTCCCTTCTGCCCTGTC
CGACGACATCCACTACTCTCCGTTACGAGCCAGAGAGGGCGCGCATGGTACCTTGCACGGCTACATT
GAGAGTCAGGTACAGTGCGGGCAGGTGCACTGCCGACTGCCTTACACCGCGCCCTGTCCACCTCAAAG
CTGATTTGGACGGCCGCTCTCCAGCCGGGTGAGAAGGTATCCTTTTTTCAGTAC

ACCGTACGCGGCCGCTCGAG - GFP Tag - **GTTTAA**



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Protein Sequence: >MG226749 representing NM_008500
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MYWKHESAAPALPEGCR LPAEGGPTTDQVMAQPGSGCKATTRCLEGTAPPAMAQSDAEALAGALDKDEGR
 ASPCTPSTPSVCSPPSAASSVPSAGKNICSSCGLEILDRLKLVNLIWVRCLECSVCRTSLRQQNSCY
 IKNKEIYCKMDYFSRFGTKCARCGRQIYASDWVRRARGNAYHLACFACFSCKRQLSTGEFGLVEEKVLC
 RIHYDTMIENLKRAAENGNGLTLEGAVPSEQDSQPKPAKRARTSF TAEQLQVMQAQFAQDNNPDAQTLQK
 LADMTGLSRRVIQWVFQNCRRARHKHTPQHPVPPSGAPPTRLPSALSDDIHYSPFSSPERARMVTLHGYI
 ESQVQCGQVHCRLPYTAPPVHLKADLDGPLSSRGEKVILFQY

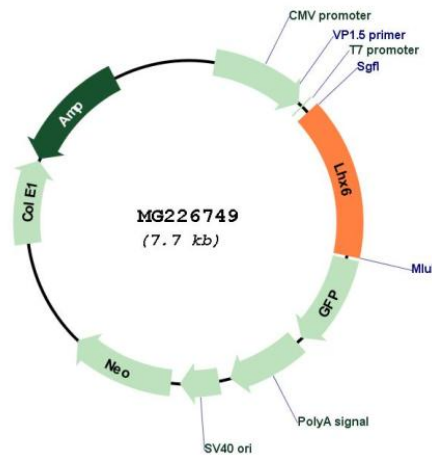
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_008500

ORF Size:	1176 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_008500.2 , NP_032526.2
RefSeq Size:	3499 bp
RefSeq ORF:	1179 bp
Locus ID:	16874
UniProt ID:	Q9R1R0
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]