

Product datasheet for **MG205571**

Lhx6 (NM_001083126) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lhx6 (NM_001083126) 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:	>MG205571 representing NM_001083126 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGCCAGGGTCCGGCTGCAAAGCGACCACCCGCTGTCTCGAAGGGACCGCTCCGCCTGCCATGG
CTCAGTCAGACGCAGAGGCCTTGGCAGGCGCTCTGGACAAGGACGAAGGTAGAGCCTCCCATGTACGCC
CAGCACACCGTCTGTCTGCTCGCCGCCCTCTGCTGCCTCTCCGTGCCGTCTGCCGGCAAGAATATCTGC
TCCAGTTGCGGTCTGGAGATCCTGGACCGGTATCTGCTCAAGGTCAACAACCTCATCTGGCAGCTGCGGT
GCCTCGAGTGCTCCGTGTGTCGCACATCGCTGAGGCAGCAGAATAGCTGCTACATCAAGAACAAGGAGAT
CTACTGCAAGATGGACTACTTCAGCCGATTTGGAACCAAGTGCGCCCGGTGCGGCAGACAAATCTATGCC
AGTGACTGGGTGCGGCGCGCACGCGCAATGCCTACCACCTGGCATGTTTCGCCTGCTTTTCTGCAAGC
GCCAGTATCCACCGGTGAGGAATTCGGCTCGTTGAGGAGAAGGTGCTTTGCCGCATCCATTACGACAC
CATGATCGAGAACCTCAAGAGGGCCGCCGAGAACGGGAACGGTCTCACGCTGGAGGGGCGAGTGCCCTCG
GAACAGGACAGTCAGCCCAAGCCAGCCAAGCGCGCGGGACGTCCTTACCAGCAGAGCAATTGCAGGTTA
TGCAGGCGCAGTTCGCGCAGGACAACAACCCGGACGCGCAGACGCTGCAGAAGCTAGCGGACATGACGGG
CCTCAGTCGACGGTTCATCCAGGTGTGGTTTCAAACCTGCCGAGCGCGTCATAAAAAGCATAACCCGAG
CACCCAGTGCCGCCCTCTGGGGCACCCCGACCCGCTCCCTTCTGCCCTGTCCGACGACATCCACTACT
CTCCGTTTCAGCAGCCAGAGAGGGCGCGCATGGTCACCTTGCACGGCTACATTGAGAGTCAAGGTACAGTG
CGGGCAGGTGCACTGCCGACTGCCTTACACCGCGCCCTGTCCACCTCAAAGCTGATTTGACGGCCCG
CTCTCCAGCCGGGTGAGAAGGTCATCCTTTTTCAGTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205571 representing NM_001083126
 Red=Cloning site Green=Tags(s)

MAQPGSGCKATTRCLEGTAPPAMAQSDAEALAGALDKDEGRASPCTPSTPSVCSPPSAASSVPSAGKNIC
 SSCGLEILDYRLLKVNLIWHVRCLCSVCRTSLRQNSCYIKNKEIYCKMDYFSRFGTKCARCGRQIYA
 SDWYRRARGNAYHLACFACFSCKRQLSTGEEFGLVEEKVLCRIHYDTMIENLKRAAENGLTLEGAVPS
 EQDSQPKPAKRARTSFTAELQVMQAQFAQDNNPDAQTLQKLADMTGLSRRVIQVWFQNCRARHKKHTPQ
 HPVPPSGAPPTRLPSALSDDIHYSPPSSPERARMVTLHGVIYESQVQCQGVHCRLLPYTAPPVHLKADLDGP
 LSSRGEKIVILFQY

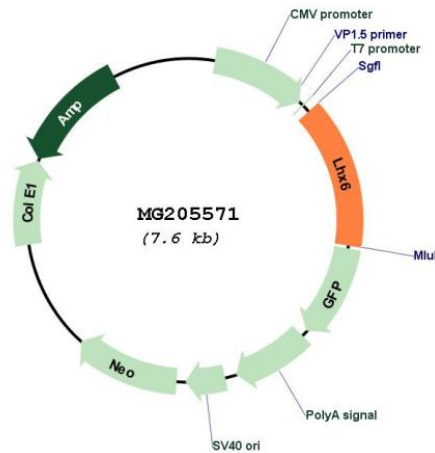
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001083126

ORF Size:	1089 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_001083126.1 , NP_001076595.1
RefSeq Size:	3309 bp
RefSeq ORF:	1092 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]