

Product datasheet for **MG202553**

Lhfp12 (NM_172589) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lhfp12 (NM_172589) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lhfp12
Synonyms:	6030465B15; AI447312; AW050335; mKIAA0206; vjim
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202553 representing NM_172589 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGTCATGTCATTGTCACCTGCCGCTCGATGCTCTGGACCCTCCTGAGTATCGTGGTGGCCTTTGCTG
AGCTCGTTGCCTTCATGAGCGCCGACTGGCTGATCGGGAAAGCCAAGACCCGAGCGGCAGTGGCGATGA
GCAGGCAGGCATGAACCTCGGAGCCCACTACCTGGGCATCCTCTGCATCCGTACCCCTGCCATGCAGCAA
GTCTCTCGGGACACACTGTGCGGGACCTACGCCAAGAGCTTCGGGGAGATAGCCAGCGGCTTCTGGCAGG
CTACCGCTATTTTCTGGCCGTGGGATCTTCATTCTCTGCGTAGTGGCCTTGGTGTCCGTCTTCACCAT
GTGCGTGCAAAGCATCATGAGGAAAAGCATTTTCAACGTCTGCGGGCTCCTACAGGGAATCGCAGGTCTG
TTCTTATCCTCGGCCTGATCCTCTACCCCGCAGGCTGGGGCTGCCAGAAAGCCATAGACTGTGGACGGT
ATGCGTCCCCCTACAAACCTGGAGACTGCTCCCTGGGCTGGGCCTTCTATACTGCCACCGGGGGCACGGT
CCTCACCTTTATCTGTGCTGTCTTCTCTGCACAAGCAGAAATTGCAACCTCCAGTGACAAAGTCCAGGAA
GAAATTGAAGAGGGGAAAAACCTCGTCTGCCTCCTT

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202553 representing NM_172589
 Red=Cloning site Green=Tags(s)

MCHVIVTCRSMWLLSIVVAFELVAFMSADWLGKAKTRSGSGDEQAGMNSEPHYLGILCIRTPAMQQ
 VSRDTLCGTYAKSFGIEIASGFWQATAIFLAVGIFILCVVALVSVFTMCVQSIMRKSIFNVCGLLQGIAGL
 FLILGLILYPAGWGCQKAIDCGRYASPYKPGDCSLGWAFYATGGTVLTFICAVFSAQAEIATSSDKVQE
 EIEEGKNLVCLL

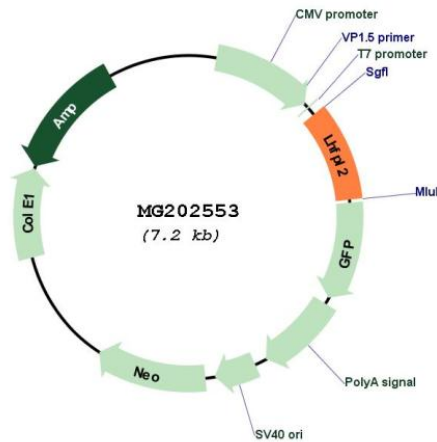
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_172589

ORF Size: 666 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_172589.2 , NP_766177.1
RefSeq Size:	4349 bp
RefSeq ORF:	669 bp
Locus ID:	218454
UniProt ID:	Q8BGA2
Cytogenetics:	13 C3
Gene Summary:	Plays a role in female and male fertility. Involved in distal reproductive tract development (PubMed:26964900).[UniProtKB/Swiss-Prot Function]