

Product datasheet for **MG200744**

LeprotII (NM_026609) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: LeprotII
Synonyms: I110067H13Rik; I520402O14Rik; AI854296
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG200744 representing NM_026609
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGGCATCAAAGCTTAAATTAGTTTGCCTTTGGAGGAGCGATCGGGCTGATGTTCTCTGATGCTTG
GATGTGCCCTCCGATATAACAACAACTGGCCCTCTTCGTTCTCTCTTTACATCCTCTCGCCCAT
CCCGTACTGCATAGCCAGAAGATTAGTGGATGACACGGACGCCATGAGCAACGCGTGAAGGAGCTTGCC
ATATTCCTCACCACAGGCATCGTCGTCGGCTTTGGACTCCCTGTTGTGTTGCCAGAGCACATCTGA
TCGAGTGGGGAGCTTGCACACTTGTCTCACGGAAACACAGTCATCTTCGCGACTATTCTAGGCTTCTT
CCTGGTCTTTGGAAGCAACGACGACTTCAGCTGGCAGCAGTGG

AG**CGGACCG**ACGCGTACGCGCGCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200744 representing NM_026609
Red=Cloning site Green=Tags(s)

MAGIKALISLSFGGAIGLMFLMLGCALPIYNQYWPLFVLFYILSPIPYCIARRLVDDTDAMSNACKELA
IFLTTGIVVSAFGLPVVFAHAHLIEWGACALVLTGNTVIFATILGFVLFVGSNDDFSWQQW

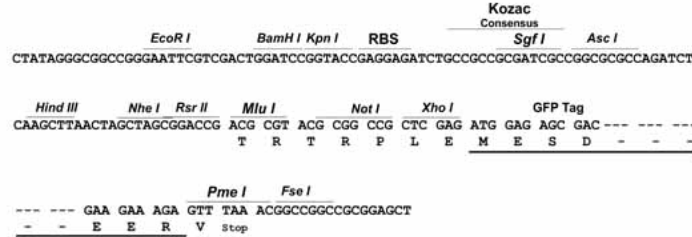
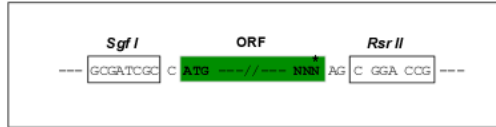
SGP**TRRRLE** - GFP Tag - V

Restriction Sites: SgfI-RsrII



Cloning Scheme:

Cloning sites used for ORF Shuttling:


ACCN: NM_026609

ORF Size: 393 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.

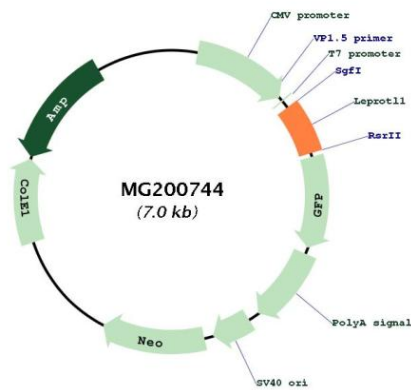
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_026609.2](#), [NP_080885.1](#)
RefSeq Size: 2609 bp
RefSeq ORF: 396 bp
Locus ID: 68192
UniProt ID: [Q9CQ74](#)

Cytogenetics: 8 A4

Gene Summary: Negatively regulates growth hormone (GH) receptor cell surface expression in liver. May play a role in liver resistance to GH during periods of reduced nutrient availability.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG200744