

Product datasheet for **MG217508**

Lrrc47 (NM_201226) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc47 (NM_201226) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lrrc47
Synonyms:	2900010D03Rik; AA960559; mKIAA1185
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG217508 representing NM_201226
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCGGCGGCGGATGGCCGTGTCCGAGGCCTGGCCGAGCTGGAGCTGGCCGAGCGGAGCGGCGGC
 GCGAGCTGCTGCTGACCGGGCCGGCTGGAGGAGCGGTGAAGGCGGCGGCGGGCTTCCGCCGCG
 GCTCTTACGCTGCCGCTGCTGCACTACCTGGAGGTGAGCGGCTGCGGCAGCCTGCGCGCGCCGGGCCC
 GGCTCGCGCAGGGCCTCCCGCAGCTGCACAGCCTGGTGTGCGGCGCAACGCGCTGGGGCCGGCCTGA
 GCGCGAGCTGGGGCCGCTGCCGCGCTGCGCGTCTCGACCTGTCCGGCAACGCGTTGGAGACGCTGCC
 GCGCGGAGGGCCTGGGCCCCGCGAGCCCCCGGACTACCGCAGCTGCAGAGCCTCAACCTCAGCGGC
 AACCGCTGCGGAGCTGCCGCGGACCTGGCGCGCTGCGCCCTCGCTGCAGAGCCTCAATCTCACCG
 GCAACCGCTGGACGCCTTCCCCCGAGCTCTTCCGGCCAGGAGCTTGCCCTGCTCAGTGAGCTGGC
 AGCTGCCGACAAGTGCCTGCGGGAGCTCAGCCAGACATCGCGCATCTTGCTCGCTCAAGACATTGGAC
 CTCTCAAACAACCAACTAACAGAGATCCCTGCTGAGCTGGCAGACTGCCCAAGCTCAAAGAGATCAACT
 TTCGAGGAAACAGGCTTCGAGACAAGCGCTGGAGAAGATGGTGGTGGCTGCCAGACCAAGTCCATCCT
 AGAGTACCTTCGTGCTGGTGGCCGCGGCGGCGGAGCAAGGGCCGGAAGAGGCCTCTGAGAAGGAGGAC
 AGAAAGAAGAGACGGGAGCGGAAGCAGCATCGGAAAGCGGGAGGGCGAGGAGGAGGTAGCAGACTCAG
 CCAGGCTGATGCTCAAGTCTTGATGTCTCTGAGAACCCACACCCCTGACAGTCAGGGTGAGCCCGGA
 GGTCAGGATGTGCGCCCATACATCGTCGGGGCCATTGTGAGAGGCATGGACCTGCAGCCAGGAAATGCA
 CTCCGTCGCTTTCTCAACTCCCAGACGAAGCTCCACGACGACCTCTGCGAGAAGAGGACAGCAGCGACCA
 TCGCGACCATGACCTCCAGGCTGTGCGTGGACCCCTGCTGTATGACGCCGCGCCGCCGAGGACCTCAA
 GATTGTGCTTTGGGACGAAAGAGGCCAAGGCCAAGGAGCTCGTGCGGAGCTGCAGCTGGAGGCCGAG
 GAACAGAGAAAGCAGAAGAAGAGGCAGAGCGTCTCAGGGCTGCACAGGTACCTTCACCTCTGGATGGGA
 AGGAGAACTACCCCTGTCTTGATGCGAGGAGAGCTGATTCTTTCCCTCTATAACAAACAGTGA
 GAAGACAAAGATTAAGAAAACCACTGCAACTTGTCTTGGAAGTAACGAGTGCCACTAGCCTGCAGCTC
 TGTAAGGACATCATGGACAGCCTTATCTGAGAATGGCAGAACTGAGCAAAAGCACTTCAGAAAATAAG
 AGGAAGACATGCTCTCAGGGACGGAAGCTGATGCCGGCTGTGGGCTTTCTGATCCCAACTGACTCTGAG
 CTCTGGGAAGGATGGACAGTGCCCTCTGGTGGTGGAGCAGGTCCGAGTGGTGGACCTGGAAGGGAGCTTG
 AAGGTGGTGTACCATCCAAGACGACCTGATCACCTCCCTCCCACTGACTGTGGTCCGC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG217508 representing NM_201226
 Red=Cloning site Green=Tags(s)

MAAAAMAVSEAWPELELAERERRRELLLTGPGLEERVKAAGGRLPPRLFTLPLLHYLEVSGCSLRAPGP
 GLAQGLPQLHSLVLRNALGPGLSPELGPLPALRVLDLSNALETLPGEGLGPAEPPGLPQLQSLNLSG
 NRLRELPA DLARCAPRLQSLNLGNRLDAFPPELFRPGALPLLSELAADNCLRELSPDIAHLASLKTLD
 LSNNQLTEIPAELADCPKLKEINFRGNRLRDKLEKMGVCQTKSILEYLRAGGRGGRSKGRQEASEKED
 RKKRRERKQHRSEGEVEEVSARLMLKVLHVSSENPTPLTVRVSPEVKDVRPYIVGAIVRGMDLQPGNA
 LRRFLNSQTKLHDDLCEKRTAATIATHDLQAVRGPLL YAARPPEDLKIVPLGRKEAKAKELVRQLQLEAE
 EQRKQKKRQSVSGLHRYLHLLDKENYPCLVDAEGDVISFPPIITNSEKTIKKTTCNLFLEVTSATSLQL
 CKDIMDSLILMAELSKSTSENKEEDMLSGTEADAGCGLSDPNLTLSSGKDGQCPLVVEQVRVVDLEGLS
 KVVYPSKTDLITLPPHVTVVR

SGPTRRRLE – GFP Tag – V

Restriction Sites:

SgfI-RsrII

Cloning Scheme:


ACCN: NM_201226

ORF Size: 1743 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_201226.1](#), [NP_957678.1](#)

RefSeq Size: 3395 bp

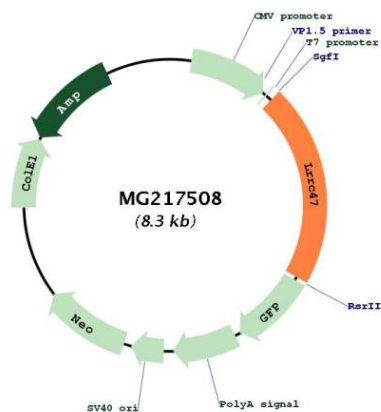
RefSeq ORF: 1746 bp

Locus ID: 72946

UniProt ID: Q505F5

Cytogenetics: 4 E2

Product images:



Circular map for MG217508