

Product datasheet for **MG210039**

Lrrc49 (BC016574) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc49 (BC016574) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lrrc49
Synonyms:	AI430817; AW050057; D430025H09Rik; p79; PGs4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG210039 representing BC016574
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTCCCGAAAAATATCGCTCCGTTTCTGGCCGAGCTGCAAATAACGTGAAGTGTGGACTTCATCTGG
 TTATTCAAACGTCGTCACCTTTCTGACAAAAACAAAGTTGAATTCAGGCTTAACAGAGAAACACCACCATT
 TCCTGGTAGACTGTTACAGCATGACCTGGAGAGGAACTACTCAAGCAGGCAAGGTGACCACATTAGTCTG
 GTGAGCTCATCCATGCCGGCGTTTCTATTCTCCAGCGCTCTTCTGAAGAGAAAACTTTACTCAGACA
 GGCTGACCCTAGAAAGACAAAAGTTGACTGTGTGCCCTATCATCGACGGGGAAGAGCACCTTCGTTTGT
 GAACTTTCAGCACAATTTATAACTCGGATCCAAATATTTCTAATCTACAGAGGCTAATATTCTTGGAC
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 TCACCTTTGTGAGAGATGTGGATAATTTGCCCTGCCTCCAACGCCTCTTCTCAGCTTCAACAATATAAC
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 GATAATGGCTGAAAGGCTCTTTGGAATCTTAGCACATGTAGCATCCTCCGAGCTGCCCCAGTACCGCATG
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 TATGTAGAAGACCTGGTGAAGGAAGCCACAGCCATCAACATGAAAAACGAGGCTCTGCAGAAGCTGTGGC
 CACAGATGTTTCATCGAGCTTGAGAGACGCTGTCTAGAGATCCGCAGCAAGGATTCCTACATGAACT
 CTGCCTGCAGCAGATCACTGACCAGAAA

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

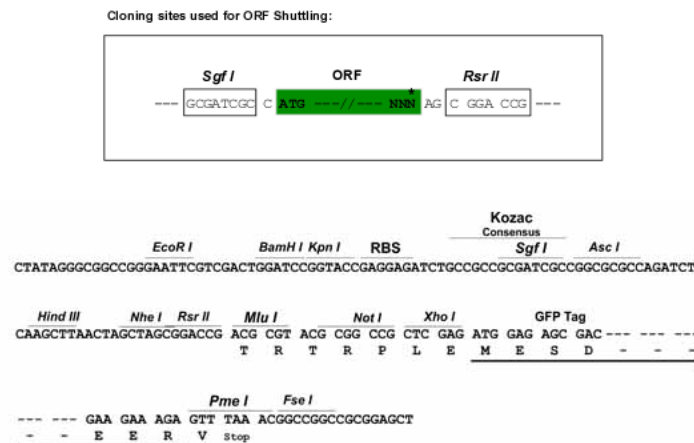
Protein Sequence: >MG210039 representing BC016574
 Red=Cloning site Green=Tags(s)

MIPGKYRSVSGRAANNVNCGLHLVIQTSSLSDKNKVEFRLNRETTPFPGRLLQHDLENYSSRQGDHISL
 VSSMPAFPIQRSSEETLYSDRLTLERQKLTVCPIDGEEHLRLNFQHNFI TRIQNISNLQRLIFLD
 LYDNQIEEISGLSTLKSRLVLLGKNRIKKISNLENLKNLDVLDLHGNQITKIENVNHLCDLRVLNARN
 LLSHVDNLNGLDSLTELNLRHNIITFVRDNDLPCLQRLFSFNNITSFESVSCLAESTSLSDITFDGNP
 IAQESWYKHTVLQNMQLRQLDMKRITTEERRVASVVPKKEEEKKRESHKQSLLKEKKRLTINNARKWD
 LQQRVANIASTQDRKDSESPQESCQLDGGNISAFPEEAGSLDAGLSSALQGLSVTETHLVEIDGETLSL
 YGSGALECLDRNWSVQTAGMVTTSFTFIEFDEIVQVLPKLKMKFPNSLHLKFRETNLVMQQFNALQAL
 RRYDQLTIDPQGNPVNFTLWKYYVLFRLSHFSMQKINGTEVTQNDMIMAERLFGILAHVASSELPQYRM
 ISILGDARKKQFRYLLESKGKKPGIICEETSDSKRFLGENTNRATLNYTTREFYHEKLEEIKDKKKFCRL
 YVEDLVKEATAINMKNEALQKLWPMFIELVRDAVIEIRSKDSYMKLCLQQITDQK

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: BC016574

ORF Size: 2060 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.

RefSeq: [BC016574](#), [AAH16574](#)

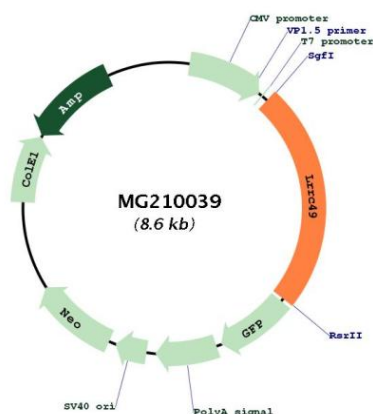
RefSeq Size: 2566 bp

RefSeq ORF: 2060 bp

Locus ID: 102747

Cytogenetics: 9 B

Product images:



Circular map for MG210039