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Product datasheet for RG207191

LRRC37A3 (NM_199340) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC37A3 (NM_199340) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRRC37A3
Synonyms:	LRRC37; LRRC37A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207191 representing NM_199340 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGACTTCCGCTCAGTGCCCGGCACTAGCGTGTGTCATGTCCCCGCTGCGTTTCTGGGGCCCATGGCCCC TCCTTATGTGGCAACTATTGTGGCTACTAGTCAAGGAGGCTCAGCCTCTGGAGTGGGTCAAGGACCCGCT CCAGCTGACCCCTAACCCCCTGGGGCCGCCTGAGCCCTGGTCTTCCCACTCCTCCCATTTCCCACGGGAA TCTCCCCATGCGCCTACTCTCCCAGCAGACCCGTGGGACTTTGATCACCTGGGGCCCTCTGCTTCCTCAG AGATGCCAGCCCCACCCCAGGAATCGACTGAAAATTTGGTTCCATTCCTGGACACCTGGGATTCAGCTGG AGAGCTGCCCCTGGAGCCAGAGCAGTTCTTGGCTTCACAGCAGGATTTAAAGGACAAGCTGAGTCCACAG GAAAGGCTCCCTGTTTCGCCCAAGAAGCTGAAGAAAGATCCAGCTCAGCGTTGGAGCCTTGCTGAGATTA TTGGAATTATACACCAATTATCCACACCTCAGAGTCAGAAACAGACTTTGCAGAATGAATATTCCAGTAC AGATACACCGTATCCCGGTAGCCTGCCTCCAGAACTCCGGGTGAAGTCAGATGAGCCTCCAGGGCCCTCT GAGCAAGTTGGACCTTCTCAATTCCATCTAGAGCCCGAAACTCAAAATCCAGAGACCCTTGAAGACATCC AGTCCTCTTCACTCCAGCAAGAAGCCCCAGCACAGCTTCCACAGCTCCTTGAGGAAGAACCTTCTTCAAT GCAGCAGGAGGCCCCAGCTCTGCCTCCAGAGTCCTCTATGGAGAGTCTAACTCTACCGAATCATGAGGTG TCAGTTCAACCTCCAGGTGAGGATCAAGCTTATTATCACTTGCCCAACATTACAGTTAAACCTGCAGATG TGGAGGTTACCATAACTTCAGAGCCTACCAATGAGACAGAATCTTCCCAAGCCCAGCAGGAGACCCCAAT TCAGTTTCCAGAGGAGGTGGAACCTTCTGCAACCCAACAGGAGGCCCCAATTGAGCCTCCAGTTCCTCCT ATGGAGCATGAACTTTCCATCAGTGAGCAGCAGCAGCCAGTTCAGCCTTCTGAGTCTTCTAGGGAGGTCG AATCTTCTCCGACCCAGCAGGAGACCCCAGGTCAGCCTCCAGAACATCATGAAGTCACAGTTTCACCTCC AGGTCACCATCAAACTCATCATTTAGCTTCACCCAGTGTCTCTGTGAAGCCTCCAGACGTGCAGCTCACC ATAGCAGCAGAGCCTAGTGCAGAGGTGGGAACTTCTCTAGTCCACCAGGAGGCTACAACTCGGCTCTCAG GGTCAGGTAATGATGTAGAACCTCCCGCCATCCAGCACGGGGGCCCACCTCTGCTTCCAGAGTCATCAGA AGAAGCTGGACCTTTAGCAGTTCAACAGGAGACTTCATTTCAATCTCCGGAACCTATTAATAATGAGAAC

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CA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207191 representing NM_199340
Red=Cloning site Green=Tags(s)

MTSAQCPALACVMSPLRFWGPWPLLMWQLLWLLVKEAQPLEWVKDPLQLTPNPLGPPEPWSSHSSHFPRE
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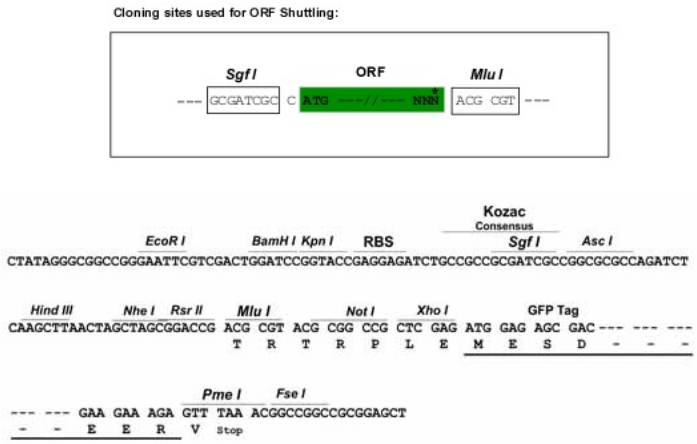
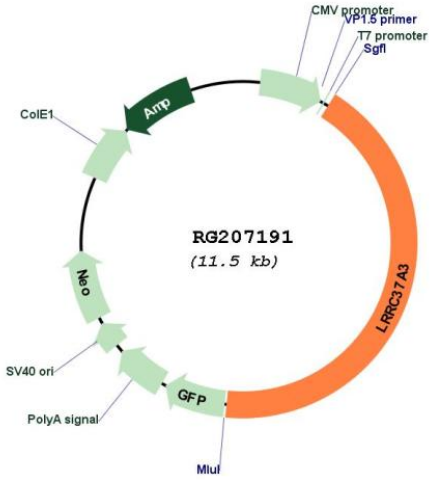
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_199340
ORF Size:	4902 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:	NM_199340.2, NP_955372.2
RefSeq Size:	5665 bp
RefSeq ORF:	4905 bp

Locus ID:	374819
UniProt ID:	O60309
Cytogenetics:	17q24.1
Protein Families:	Transmembrane