

Product datasheet for **RG217662**

RLTPR (CARMIL2) (NM_001013838) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RLTPR (CARMIL2) (NM_001013838) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RLTPR
Synonyms:	CARMIL2b; IMD58; LRRC16C; RLTPR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217662 representing NM_001013838 Red=Cloning site Blue=ORF Green=Tags(s)

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ACGCGTACGCGGCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG217662 representing NM_001013838
 Red=Cloning site Green=Tags(s)

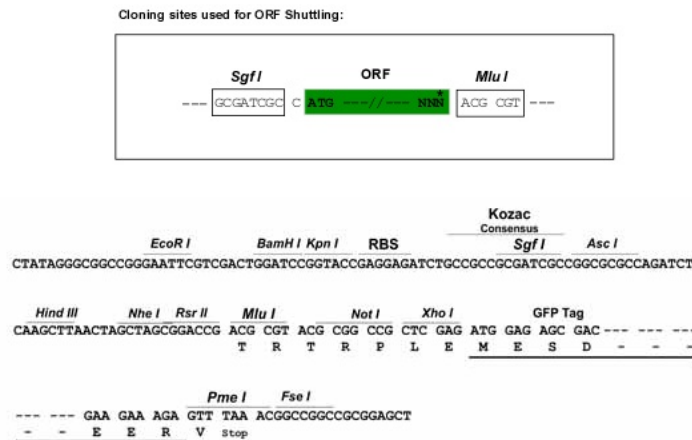
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

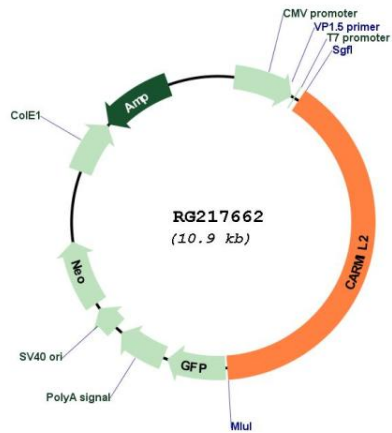


ACCN: NM_001013838

ORF Size: 4305 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_001013838.3
RefSeq Size:	4512 bp
RefSeq ORF:	4308 bp
Locus ID:	146206
UniProt ID:	Q6F5E8
Cytogenetics:	16q22.1
Gene Summary:	This gene encodes a member of the CARMIL (capping protein, Arp2/3, myosin-I linker) family of proteins. The encoded protein interacts with and negatively regulates the heterodimeric capping protein and promotes cell migration. Reduced expression of this gene has been observed in human psoriasis patients. Mutations in this gene cause a human immunodeficiency syndrome characterized by smooth muscle tumors and impaired T-cell function. [provided by RefSeq, May 2017]

Product images:



Circular map for RG217662