

Product datasheet for **RG218296**

GRIP1 (NM_021150) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRIP1 (NM_021150) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GRIP1
Synonyms:	FRASRS3; GRIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218296 representing NM_021150 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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CTCCTCCGAGACTCTTCAATCACGAGCAAGGTCACACTGGAAATCGAGTTTGATGTTGCAGAGTCTGTCA
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG218296 representing NM_021150

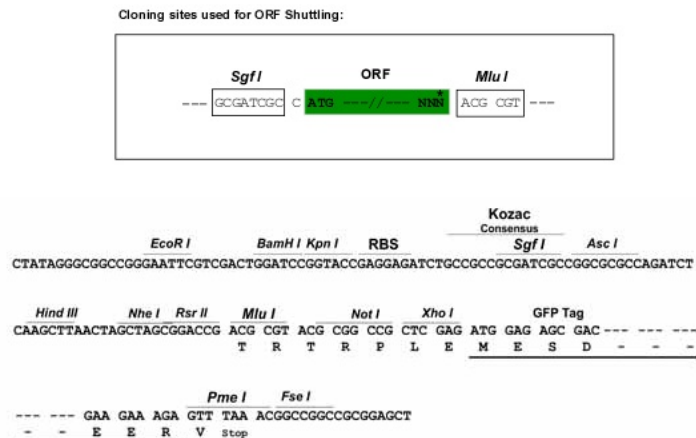
Red=Cloning site Green=Tags(s)

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TRTRPLE - GFP Tag - V

Restriction Sites:

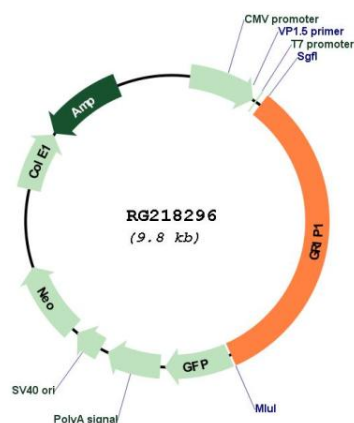
Sgfi-MluI

Cloning Scheme:


ACCN:	NM_021150
ORF Size:	3228 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_021150.1 , NP_066973.1
RefSeq Size:	3300 bp
RefSeq ORF:	3231 bp

Locus ID:	23426
UniProt ID:	Q9Y3R0
Cytogenetics:	12q14.3
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a member of the glutamate receptor interacting protein family. The encoded scaffold protein binds to and mediates the trafficking and membrane organization of a number of transmembrane proteins. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, May 2010]

Product images:



Circular map for RG218296