

Product datasheet for **RG227339**

GRID2IP (NM_001145118) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRID2IP (NM_001145118) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GRID2IP
Synonyms:	DELPHILIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG227339 representing NM_001145118 Red=Cloning site Blue=ORF Green=Tags(s)

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CCCCAGCCGCGGAGCTCCCTGCGGGCTTCTCCATGTGCCGCGCAGCCTCCGGTCCCAGGGCCTGGAGG
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ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG227339 representing NM_001145118
Red=Cloning site Green=Tags(s)

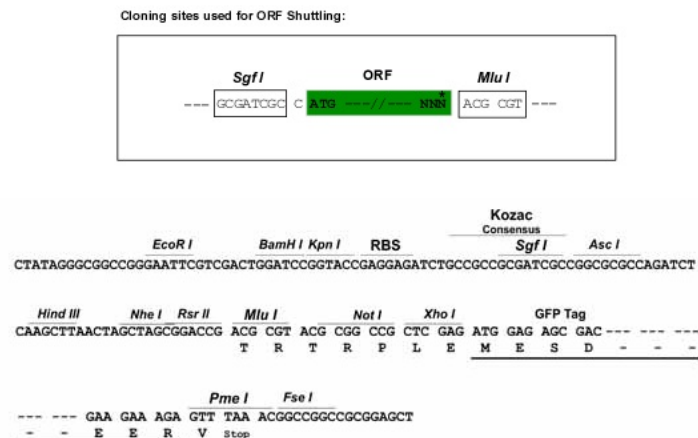
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TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

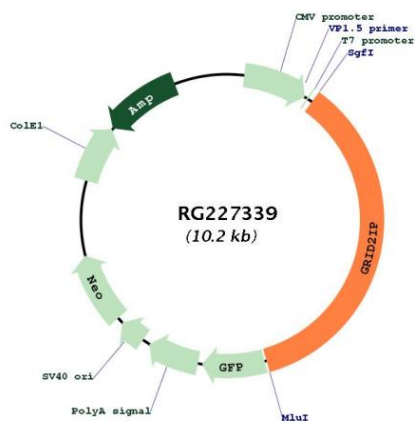


ACCN: NM_001145118

ORF Size: 3633 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_001145118.1 , NP_001138590.1
RefSeq Size:	4632 bp
RefSeq ORF:	3636 bp
Locus ID:	392862
UniProt ID:	A4D2P6
Cytogenetics:	7p22.1
Gene Summary:	Glutamate receptor delta-2 (GRID2; MIM 602368) is predominantly expressed at parallel fiber-Purkinje cell postsynapses and plays crucial roles in synaptogenesis and synaptic plasticity. GRID2IP1 interacts with GRID2 and may control GRID2 signaling in Purkinje cells (Matsuda et al., 2006 [PubMed 16835239]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG227339