

Product datasheet for **RG209468**

SIRPG (NM_018556) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIRPG (NM_018556) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SIRPG
Synonyms:	bA77C3.1; CD172g; SIRP-B2; SIRPB2; SIRPgamma
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209468 representing NM_018556 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGTCCCAGCCTCCTGGCCCCATCCTCCTGGTCCTTCTGCTTCTGACTCTACTGCTGGGACTTA
CAGAAGTGGCAGGTGAGGAGGAGCTACAGATGATTCAGCCTGAGAAGCTCCTGTTGGTCACAGTTGGAAA
GACAGCCACTCTGACTGCACTGTGACCTCCCTGCTTCCCGTGGGACCCGCTCCTGTGGTTCAGAGGAGTT
GGACCAGGCCGGGAATTAATCTACAATCAAAAAGAAGGCCACTTCCCAGGGTAACAACAGTTTCAGACC
TCACAAAGAGAAACAACATGGACTTTTCCATCCGCATCAGTAGCATCACCCAGCAGATGTCGGCACATA
CTACTGTGTGAAGTTTCGAAAAGGGAGCCCTGAGAACGTGGAGTTAAGTCTGGACCAGGCACTGAGATG
GCTTTGGGTGCCAAACCCTCTGCCCCGTGGTATTGGGCCCTGCGGCGAGGACCACACCTGAGCATAACAG
TGAGTTTACCTGTGAGTCCCATGGCTTCTCTCCAGAGACATCACCCGAAATGGTTCAAAAATGGGAA
TGAGCTCTCAGACTTCCAGACCAACGTGGACCCACAGGACAGAGTGTGGCCTACAGCATCCGCAGCACA
GCCAGGGTGGTACTGGACCCCTGGGACGTTTCGCTCTCAGGTCATCTGCGAGGTGGCCCATGTACCTTGC
AGGGGGACCCCTTTCGTGGGACTGCCAACTTGTCTGAGGCCATCCGAGTCCACCCACCTTGAGGTTAC
TCAACAGCCCATGAGGGTGGGGAACCAGGTAACGTCACCTGCCAGGTGAGGAAGTCTACCCCCAGAGC
CTACAGCTGACCTGGTCGGAGAATGGAACGTTGCCAGAGAGAACAGCCTCGACCCCTACAGAGAACA
AGGATGGTACCTACAACCTGGACAAGCTGGTTCCTGGTGAACATATCTGACCAAAGGGATGATGTGGTCT
CACCTGCCAGGTGAAGCATGATGGCAGCTGGCGGTCAGCAAACGCCCTGCCCTAGAGGTACAGTCCAC
CAGAAGGACCAGAGCTCAGATGCTACCCCTGGCCCGGCATCATCTCTTACTGCGCTGCTCCTCATAGCTG
TCCTCCTGGGCCCATCTATGTCCCTGGAAGCAGAAGACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209468 representing NM_018556
Red=Cloning site Green=Tags(s)

MPVPASWPHPPGFLLLLTLLGLTEVAGEEELQMIQPEKLLLVTVGKTATLHCTVTSLLPVGVLWFRGV
 GPGRELIYNQKEGHFPRVTTVSDLTKRNNMDFSIRISSITPADVGTYYCVKFRKGGSPENVEFKSGPGTEM
 ALGAKPSAPVVLGPAARTTPEHTVSFTCESHGFSRPRDITLKWFKNGNELSDFQTNVDPTGQSVAYSIRST
 ARVVLDPWDVRSQVICEVAHVTLQGDPLRGTANLSEAIRVPPTLEVTTQQPMRVGNQVNVTCQVRKFYPQS
 LQLTWSENGNVCQRETASTLTENKDGTYNWTSWFLVNIISDQRDDVVLTCQVKHDGQLAVSKRLALEVTVH
 QKDQSSDATPGPASSLTALLLIAVLLGPIYVPWKQKT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018556

ORF Size: 1161 bp

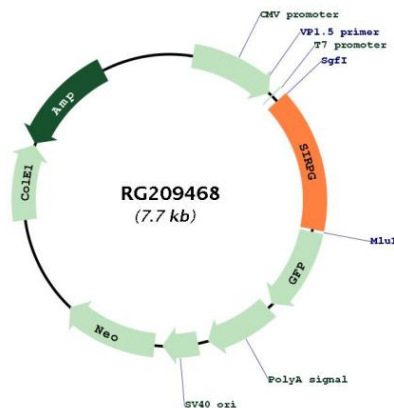
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_018556.3](#), [NP_061026.2](#)
- RefSeq Size:** 1720 bp
- RefSeq ORF:** 1164 bp
- Locus ID:** 55423
- UniProt ID:** [Q9P1W8](#)
- Cytogenetics:** 20p13
- Protein Families:** Druggable Genome, Transmembrane
- Gene Summary:** The protein encoded by this gene is a member of the signal-regulatory protein (SIRP) family, and also belongs to the immunoglobulin superfamily. SIRP family members are receptor-type transmembrane glycoproteins known to be involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG209468