

Product datasheet for **RG211765**

SIRPB1 (NM_006065) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SIRPB1 (NM_006065) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SIRPB1
Synonyms: CD172b; SIRP-BETA-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG211765 representing NM_006065
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCGTGCCAGCCTCCTGGCCCCACCTTCTAGTCCTTCTGCTGATGACGCTACTGCTGGGGAGAC
 TCACAGGAGTGGCAGGTGAGGACGAGCTACAGGTGATTCAGCCTGAAAAGTCCGTATCAGTTGCAGCTGG
 AGAGTCGGCCACTCTGCGCTGTGCTATGACGTCCCTGATCCCTGTGGGGCCCATCATGTGGTTTAGAGGA
 GCTGGAGCAGGCCGGAATTAATCTACAATCAGAAAGAAGGCCACTTCCCACGGGTAACAACCTGTTTCAG
 AACTCACAAAGAGAAACAACCTGGACTTTCCATCAGCATCAGTAACATCACCCAGCAGACGCCGGCAC
 CTACTACTGTGTGAAGTTCGGAAAGGGAGCCCTGACGACGTGGAGTTTAAAGTCTGGAGCAGGCACTGAG
 CTGTCTGTGCGCGCCAAACCTCTGCCCCCGTGGTATCGGGCCCTGCGGTGAGGGCCACACCTGAGCACA
 CAGTGAGCTTCACCTGCGAGTCCCATGGCTTCTCTCCAGAGACATCACCTGAAATGGTTCAAAAATGG
 GAATGAGCTCTCAGACTTCAGACCAACGTGGACCCCGCAGGAGACAGTGTGTCTACAGCATCCACAGC
 ACAGCCAGGGTGGTGTGACCCGTGGGACGTTCACTCTCAAGTCATCTGCGAGATGGCCACATCACCT
 TGCAGGGGACCCCTTTCGTGGGACTGCCAACTGTCTGAGGCCATCCGAGTTCACCCACCTTGGAGGT
 TACTCAACAGCCCATGAGGGCAGAGAACCAGGCAAACGTCACCTGCCAGGTGAGCAATTTCTACCCCGG
 GGACTACAGCTGACCTGGTTGGAGAATGGAAATGTGCCGGACAGAAACAGCTTCGACCCTCATAGAGA
 ACAAGGATGGCACCTACAACCTGGATGAGCTGGCTCCTGGTGAACACCTGTGCCACAGGGACGATGTGGT
 GCTCACCTGTGAGGTGGAGCATGATGGGACGAAGCAGTCAGCAAAGCTATGCCCTGGAGATCTCAGCA
 CACCAGAAGGAGCAGGCTCAGATATCACCCATGAACCAGCGCTGGCTCCTACTGCTCCACTCCTCGTAG
 CTCTCCTCCTGGGCCCAAGCTGCTACTGGTGGTGGTGTCTCTGCCATCTACATCTGCTGGAAACAGAA
 GGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG211765 representing NM_006065
Red=Cloning site Green=Tags(s)

MPVPASWPHLPSFLLMTLLGRLTGVAGEDELQVIQPEKSVSVAAGESATLRCAMTSLIPVGPIMWFRG
 AGAGRELIYNQKEGHFPRVTTVSELTKRNLDIFSISISNITPADAGTYCVKFRKGGSPDDVEFKSGAGTE
 LSVRAKPSAPVVS GPAVRATPEHTVSFTCESHGFSRPDITLKWFKNGNELSDFQTNVDPAGDSVSYSIHS
 TARVVLTRGDVHSQVICEMAHITLQGDPLRGTANLSEAIRVPPTLEVTQQPMRAENQANVTCQVSNFYPR
 GLQLTWLENGVSRTEASTLIENKDGTYNWMWLLVNTCAHRDDVVLTCQVEHDGQQAVSKSYALEISA
 HQKEHGS DITHEPALAPTAPLLVALLLGPKLLL VVGVS A IYICWKQKA

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/gf2094_e12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006065

ORF Size: 1194 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_006065.1](#), [NP_006056.1](#)

RefSeq Size: 2469 bp

RefSeq ORF: 1197 bp

Locus ID: 10326

UniProt ID: [O00241](#)

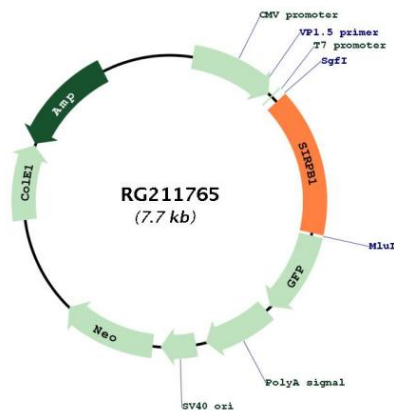
Cytogenetics: 20p13

Domains: ig, IGC1, IG

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. This protein was found to interact with TYROBP/DAP12, a protein bearing immunoreceptor tyrosine-based activation motifs. This protein was also reported to participate in the recruitment of tyrosine kinase SYK. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2009]

Product images:



Circular map for RG211765