

Product datasheet for **RG226750**

SIRPB1 (NM_001135844) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIRPB1 (NM_001135844) 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:	>RG226750 representing NM_001135844 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCGTGCCAGCCTCCTGGCCCCACCTTCTAGTCCTTCTGCTGATGACGCTACTGCTGGGGAGAC
TCACAGGGGTAGCTGGCGAGGAAGAGCTGCAGGTGATTGACCTGACAAGTCCATATCAGTTGCAGCTGG
AGAGTCGGCCACTCTGCACTGCACTGTGACTTCCCTGATCCCTGTGGGGCCCATCCAGTGGTTCCAGAGGA
GCTGGACCAGGCCGGAATTAATCTACAATCAGAAAGAAGGCCACTTCCCACGGTAACAACCTGTTTCAG
ACCTCACAAAGAGAAACAACATGGACTTTCCATCCGCATCAGTAACATCACCCAGCAGATGCCGGCAC
CTACTACTGTGTGAAGTCCGGAAAGGGAGCCCCGACCACGTGGAGTTTAAAGTCTGGAGCAGGCACCGAG
CTGTCTGTGCGTGCCAAACCTCTGCCCCCGTGGTATCGGGCCCTGCGGCGAGGGCCACACCTCAGCACA
CAGTGAGCTTACCTGCGAGTCCCACGGCTTCTCACCCAGAGACATCACCTGAAATGGTTCAAAAATGG
GAATGAGCTCTCAGACTTCCAGACCAACGTGGACCCCGCAGGAGACAGTGTGCTTACAGCATCCACAGC
ACAGCCAAGGTGGTGTGACCCGCGAGGACGTTCACTCTCAAGTCATCTGCGAGGTGGCCACGTCACCT
TGCAGGGGACCCTTTCGTGGGACTGCCAACTGTCTGAGACCATCCGAGTTCACCCACCTTGGAGGT
TACTCAACAGCCCGTGAGGGCAGAGAACCAGGTGAATGTACCTGCCAGGTGAGGAAGTTCTACCCCGAG
AGACTACAGCTGACCTGGTTGGAGAAATGGAAACGTGCCAGGACAGAAACGGCCTCAACCCCTACAGAAA
ACAAGGATGGTACCTACAACCTGGATGAGCTGGCTCCTGGTGAATGTATCTGCCACAGGGATGATGTGAA
GCTCACCTGCCAGGTGGAGCATGACGGGACCCAGCGGTGAGCAAAAGCCATGACCTGAAGTCTCAGCC
CACCCGAAGGAGCAGGGCTCAAATACTGCTCCTGGCCAGCACTGGCTTCTGCTGCTCCACTTCTCATAG
CTTTCCTCCTGGGCCCAAGGTGCTGCTGGTGGTGGTGTCTCTGTCATCTATGTCTACTGGAAGCAGAA
GGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG226750 representing NM_001135844
Red=Cloning site Green=Tags(s)

MPVPASWPHLPSFLLMTLLGRLTGVAGEEELQVIQPKSISVAAGESATLHCTVTSLIPVGPIQWFRG
 AGPGRELIYNQKEGHFPRVTTVSDLTKRNNMDF SIRISNITPADAGTYCVKFRKGPDPHVEFKSGAGTE
 LSVRAKPSAPVVS GPAARATPQHTVSFTCESHGFS PRDITLKWFKNGNELSDFQTNVDPAGDSVSYSIHS
 TAKVVL TREDVHSQV ICEVAHVTLQGDPLRGTANLSETIRVPPTLEVTQQPVRAENQVNVTCQVRKFYPQ
 RLQLTWLENGVSRTEASTLTENKDGTYNWMWSLLVNVSAHRDDVKLTCQVEHDGQPAVSKSHDLKVSA
 HPKEQGSNTAPGPALASAAPLLIAFLLGPKVLLVVGVSVIYVYWKQKA

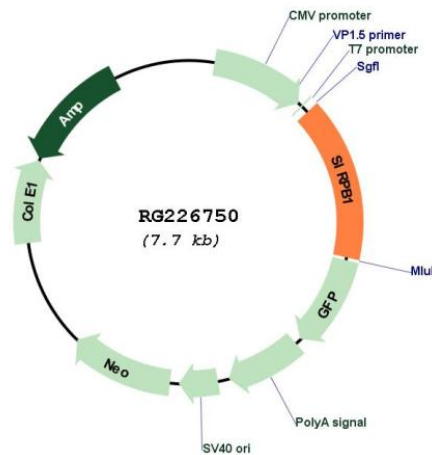
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001135844

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:	<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_001135844.4
RefSeq Size:	2241 bp
RefSeq ORF:	1197 bp
Locus ID:	10326
UniProt ID:	Q5TFQ8
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. 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]