

Product datasheet for RC212771

SIRPB1 (NM_001083910) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SIRPB1 (NM_001083910) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SIRPB1
Synonyms: CD172b; SIRP-BETA-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC212771 representing NM_001083910
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCGTGCCAGCCTCCTGGCCCCACCTTCTAGTCCTTTCCTGCTGATGACGCTACTGCTGGGGAGAC
TCACAGGAGTGGCAGGTGAGGACGAGCTACAGGTGATTCAGCCTGAAAAGTCCGTATCAGTTGCAGCTGG
AGAGTCGGCCACTCTGCGCTGTGCTATGACGTCCTGATCCCTGTGGGGCCATCATGTGGTTTAGAGGA
GCTGGAGCAGGCCGGAATTAATCTACAATCAGAAAGAAGGCCACTTCCCACGGGTAACAACCTGTTTCAG
AACTCACAAAGAGAAACAACCTGGACTTTTCCATCAGCATCAGTAACATCACCCAGCAGACGCCGGCAC
CTACTACTGTGTGAAGTCCGGAAAGGGAGCCCTGACGACGTGGAGTTAAGTCTGGAGCAGGCACTGAG
CTGTCTGTGCGGAAGCAGCGCTGGCTCCTACTGCTCCACTCCTCGTAGCTCTCCTGGGCCCAAGC
TGCTACTGGTGGTGGTGTCTCTGCCATCTACATCTGCTGGAAACAGAAGGCC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC212771 representing NM_001083910
Red=Cloning site Green=Tags(s)

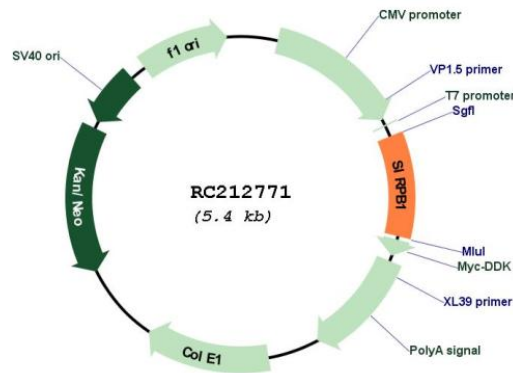
MPVPASWPHLPSFLLMTLLGRLTGVAGEDELQVIQPEKSVSVAAGESATLRCAMTSLIPVGPIMWFRG
AGAGRELIYNQKEGHFPRVTTVSELTKRNLDIFSISINITPADAGTYCVKFRKGPDDVEFKSGATG
LSVREAALAPTAPLLVALLLGPKLLLVLVGVSAIYICWKQKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001083910

ORF Size: 543 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.

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| 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_001083910.3 |
| RefSeq Size: | 1818 bp |
| RefSeq ORF: | 546 bp |
| Locus ID: | 10326 |
| UniProt ID: | O00241 |
| Cytogenetics: | 20p13 |
| Protein Families: | Druggable Genome, Transmembrane |
| MW: | 19.4 kDa |
| 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] |