

Product datasheet for **RC209486**

SRPR beta (SRPRB) (NM_021203) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SRPR beta (SRPRB) (NM_021203) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SRPRB
Synonyms:	APMCF1; SR-beta
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC209486 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTTCGGCGGACTCGCGCCGGCTGGCAGATGGCGCGGTGCCGGGGCACCTTCCAGCCCTACCTAG
ACACCTTGCAGCAGGAGCTGCAGCAGACGGACCAACGCTGTTGTCAGTAGTGGTGGCGGTTCTTGCGGT
GCTGCTGACGCTAGTCTTCTGGAAGTTAATCCGGAGCAGAAGGAGCAGTCAGAGAGCTGTTCTTCTGTT
GGCCTTTGTGATTCCGGGAAAACGTTGCTCTTTGTGAGTTGTTAACAGGCCTTTATAGAGACACTCAGA
CGTCCATTACTGACAGCTGTGCTGTATACAGAGTCAACAATAACAGGGGCAATAGTCTGACCTTGATTGA
CCTTCCCGGCCATGAGAGTTTGAGGCTTCAGTCTTAGAGCGGTTAAGTCTTCAGCCAGGGCTATTGTG
TTTGTGTTGGATAGTGCAGCATTCCAGCGAGAGGTGAAAGATGTGGCTGAGTTTCTGTATCAAGTCTCA
TTGACAGTATGGGTCTGAAGAATACACCATCATTCTTAATAGCCTGCAATAAGCAAGATATTGCAATGGC
AAAATCAGCAAAGTTAATTCAACAGCAGCTGGAGAAAGAACTCAACACCTTACGAGTTACCCGTTCTGCT
GCCCCAGCACACTGGACAGTTCAGCACTGCCCTGCTCAGCTGGGGAAGAAAGGCAAAGATTTGAAT
TCTCACAGTTGCCCTCAAAGTGGAGTTCCTGGAGTGCAGTGCCAAGGGTGAAGAGGGGACGTGGGCTC
TGCTGACATCCAGGACTTGGAGAAATGGCTGGCTAAAATTGCC

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC209486 protein sequence
 Red=Cloning site Green=Tags(s)

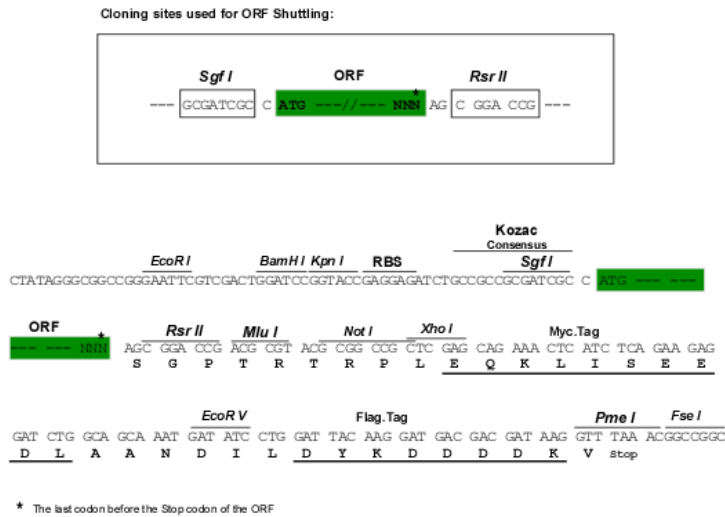
MASADSRRLADGGGAGGTFQPYLDTLRQELQQTDPDLLSVVVAVLAVLLTLVFWKLIRSRSSQRAVLLV
 GLCDSGKTLFVRLLTGLYRDTQTSITDSCAVYRVNRRGNSLTLIDLPGHESLRLQFLERFKSSARAIV
 FVVDSAAFQREVKDVAEFLYQVLIDSMGLKNTPSFLIACNKQDIAMAKSAKLIQQQLEKELNTRLVTRSA
 APSTLDSSSTAPAQLGKKGKEFEFSQLPLKVEFLECSAKGGRGDVGSADIQDLEKWLAKIA

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

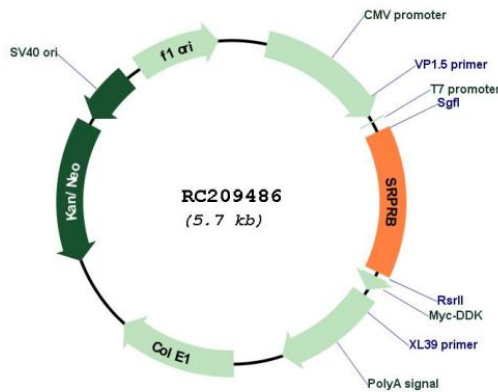
Chromatograms: https://cdn.origene.com/chromatograms/mk6183_d07.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



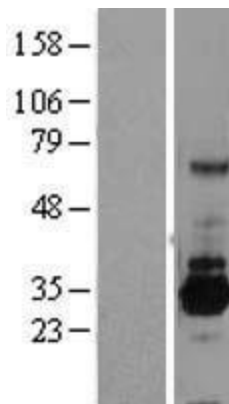
Plasmid Map:



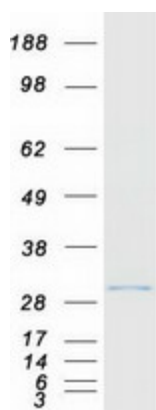
ACCN: NM_021203

ORF Size:	813 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.
RefSeq:	NM_021203.2 , NM_021203.3 , NP_067026.2
RefSeq Size:	2880 bp
RefSeq ORF:	816 bp
Locus ID:	58477
Protein Families:	Druggable Genome, Transmembrane
MW:	29.7 kDa
Gene Summary:	The protein encoded by this gene has similarity to mouse protein which is a subunit of the signal recognition particle receptor (SR). This subunit is a transmembrane GTPase belonging to the GTPase superfamily. It anchors alpha subunit, a peripheral membrane GTPase, to the ER membrane. SR is required for the cotranslational targeting of both secretory and membrane proteins to the ER membrane. [provided by RefSeq, Jul 2008]

Product images:



Western blot validation of overexpression lysate (Cat# [LY402853]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209486 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SRPRB protein (Cat# [TP309486]). The protein was produced from HEK293T cells transfected with SRPRB cDNA clone (Cat# RC209486) using MegaTran 2.0 (Cat# [TT210002]).