

Product datasheet for **RR206942**

Semg1 (NM_012710) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Semg1 (NM_012710) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Semg1
Synonyms: RATSVP1IA; Svp1; SVPIIA; Svs2; SVS2P; Svs2p2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206942 representing NM_012710
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGTCCTCTATCTTCATTCTATCTCTGTTCTCTCTGAAAGACAGGCAGCTGTGGTTGGACAGT
ATGGTGGGACAAAAGTCACTTCCAGAGCAGCTCATCAGGGTTTATGCTTGGTCAGAAAGCCACCTCAA
TTTCGGGCTCAAAGGAGGAAGTGAGGAAGCAGCTGAAGAAAGCATTTCATGCAATCACAACACCAGATG
TTCGGCCAGGATGGTGGTACATGGCGCAGACAAGTGTTCACAAGAGCATACAGGTGTAAGGGGGCCG
CGATTTGTCGTAAGGACAAGTATCCCAATTGAAATCCCAAGAATCCCAATAAAAATCCTTTAGACAAGT
AAAATCCAGTGGACAGCTGAAATCTGGAGGATCCCAATTAATAATCCTTTGGACAAGTAAAATCCAGTGA
TCCCAATTAATAATCCTTTGGCCAAGTAAAAGCCAGTGGTCCCAATTAATAATCCTTCGGACAAGTAAA
CCAGTGGGTCCCAATTAATAATCCTATGGACAAATGAAATCCAGTGGTCCCAAGTAAAATCCTTTGGACA
AATGAAATCCAGTGGTCCCAAGTAAAATCCTTTGGACAAATGAAAGCCAGTGAATCCCAATAAAAATCC
TTTGGACAAAAGAAAATCCCAAGTGGTCAACTACAATCCTATGGCCAAATGAAATCCTATGGCAGACGA
AATCCCTAGAATCCAGGCCAAATCCTTCGGACAAGTAAAGTCCCAAGTGGCCAAATGAAATCCTCCTA
TGGTCAGAGAAAATCCTATGGTGAAGAGACTCAACTGAAGTCTTTCGACCAAGATGCCCAACTAAAATCC
TATGGTCAACAAAATCCCAAAAACAATCCTCCTTTAGCCAAGTAAAATCCTCAAAGTGGCCAACTAAAGT
CCTTTGGCCAACAAAATCCCTCAAAGGTTTTCTCAACAACTCAACAGAAAGGATTTGCCATGGATGA
AGATTTGTACAAGTGGGAAACAATTTGACGATGATGACCTCTGTACAACAGAAGTCTACCCAACAG
ATGAAAACAGAGGAAGACTTATCCCAATTTGGACAACAACGACAATTTGGACAAGAACGCTCCCAATCCT
ATAAAGGATATCTGCACAATACAGAAAGAAATACAGGAACAACAACAGAAAAATTTAATCAGGA
TAACTTTTTACAAGGGAGGGGAGCCATATCAGGCTCAACTTAAGGGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206942 representing NM_012710
 Red=Cloning site Green=Tags(s)

MKSSIFILSLFLLLLERQAAVVGQYGGTKGHFQSSSSGFMLGQKGHLNFGKGGSEAAEESIFMQSQHQM
 FGQDGGDMAQTSVSQEHTGVKGAACRKGQVSQLKSQESQIKSFRQVKSSGQLKSGGSQKSFQGVKSSE
 SQLKSFQGVKASGSQKLSFGQVKASGSQKLSYGMKSSGSQVKSFGQMKSSGSQVKSFGQMKASESQIKS
 FGQRKSQGGQLQSYGQMKSYGQTKSLESQAKSFGQVKSSQSGQMKSSYGRKSYGEETQLKSFQDAQLKS
 YGQQKSQKQSSFSQVKSQSAQLKSFQQQSLKGF SQQTQQKGFAMDEDL SQVRKQFDDDDL SVQQKSTQQ
 MKTEEDLSQFGQQRQFGQERSQSYKGYLAQYRKKLQEQQQKNFNQDNFFTKGGAGLYQAQLKG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

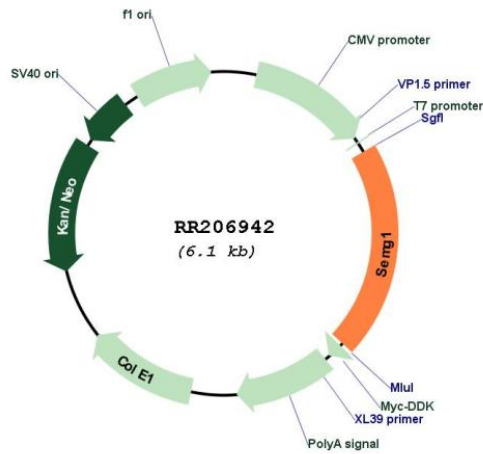
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_012710

ORF Size:	1242 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_012710.2 , NP_036842.2
RefSeq Size:	1545 bp
RefSeq ORF:	1245 bp
Locus ID:	25013
Cytogenetics:	3q42
MW:	45.6 kDa
Gene Summary:	comprised of a 13-residue repeat which is involved in the formation of the rat copulatory plug [RGD, Mar 2009]