

Product datasheet for **RC210966A1V**

Human Semaphorin 7a (SEMA7A) (NM_003612) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Semaphorin 7a (SEMA7A) (NM_003612) AAV Particle
Tag:	Myc-DDK
Symbol:	SEMA7A
Synonyms:	CD108; CDw108; H-SEMA-K1; H-Sema-L; JMH; SEMAK1; SEMAL
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC210966 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGCCTCCTCGCCCGACGTGCCGCCCCAGCGCACCGCGCGCCCGTCCCTGGCCCGCCGGCTC
GGTTGGGGCTTCCGCTGCGGCTGCGGCTGCTGCTGCTGCTGCTGCGCGGCCGCGCCTCCGCCAGGGCCA
CCTAAGGAGCGGACCCCGCATCTTCGCCGTCTGAAAGGCCATGTAGGGCAGGACCGGTGGACTTTGGC
CAGACTGAGCCGACACGGTGCTTTCCACGAGCCAGGAGCTCCTCTGTGTGGTGGGAGGACGTGGCA
AGGTCTACCTCTTTGACTTCCCCGAGGGCAAGAACGCATCTGTGCGCACGGTGAATATCGGCTCCACAAA
GGGGTCTGTCTGGATAAGCGGGACTGCGAGAATACATCACTCTCTGGAGAGCGGAGTGAGGGGCTG
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GCGAGATGAGAGGCTACGCCCCCTTCAGCCCGGACGAGAACTCCCTGGTTCTGTTGAAGGGGACGAGGT
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AGGCTTACGATGACAAGATCTACTACTTCTCCGAGAGGACAATCCTGACAAGAATCCTGAGGCTCCTCT
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AAGACGTCTTCTGCTCCCTGACCCAGCGGCCAGTGGAGGGACACAGGGTCTATGGTGTCTTCTCAA
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CTCAAGGGCTACCACTCAAGCCTTCCCAACCCGCGGCTGGCAAGTGCCTCCAGACCAGCAGCCGATAC
CCACAGAGACCTTCCAGGTGGCTGACCGTCACCCAGAGGTGGCGCAGAGGTGGAGCCCATGGGGCCTCT
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GGGGAGACCTTTCATGTGCTTTACCTAACTACAGACAGGGGCACTATCCACAAGGTGGTGAACCGGGG
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GACCTGTGTGAGGTCTATGGCGGGGCTGCCACGGTTGCCTCATGTCCGAGACCCCTACTGCGGCTGGG
ACCAAGGCCGCTGCATCTCCATCTACAGCTCCGAACGGTCAGTGCTGCAATCCATTAATCCAGCCGAGCC
ACACAAGGAGTGTCCCAACCCCAACCAGACAAGGCCCACTGCAGAAGGTTTCCCTGGCCCCAACTCT
CGCTACTACCTGAGCTGCCCCATGGAATCCCGCCACGCCACCTACTCATGGCGCCACAAGGAGAAGTGG
AGCAGAGCTGCGAACCTGGTCACAGAGCCCCAACTGCATCCTGTTTCATCGAGAACCTCACGGCGCAGCA
GTACGGCCACTACTTCTGCGAGGCCCAGGAGGGCTCCTACTTCCGCGAGGCTCAGCACTGGCAGGTGCTG
CCCAGGACGGCATCATGGCCGAGCACCTGCTGGGTGCTGCTGTGCCCTGGCCGCTCCCTCTGGCTGG
GGGTGCTGCCCACTCACTCTTGGCTTGTGTTCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC210966 protein sequence Red=Cloning site Green=Tags(s) MTPPPPGRAAPSAPRARVPGPPARLGLPLRLRLLLLLWAAAASAQGHLSGPRIFAVWKGHVQDRVDFG QTEPHTVL FHEPGSSSVWVGGRGKYYLFD FPEGKNASVRTVNIGSTKGSCDKRDCENYITLLERRSEGL LACGTNARHPSCWNLVNGTVVPLGEMRGYAPFSPDENSLVLFEGDEVYSTIRKQEYNGKIPRFRIRGES ELYTSDTVMQNPQFIKATIVHQDQAYDDKIYYFFREDNPDKNPEAPLNVSRAQLCRGDQGGESSLSVSK WNTFLKAMLVCSDAATNKNFNRLQDVFLLPDPSGQWRDTRVYGVFSNPWNYSACVYSLGDIDKVFRTSS LKGYHSSLNPNRPGKCLPDQQPIPTETTFQVADRHPEVAQRVEPMGPKLTPLFHSKYHYQKAVVHRMQASH GETFHVLYLTDRGTIHKVVEPGEQHSFAFNIMEIQPFRAAAIQTMSLDAERRKLYVSSQWEVSQVPL DLCEVYGGGCHGCLMSRDPYCGWDQGRCSISYSSERSVLQSINPAEPHKECPNPKPKAPLQKVS LAPNS RYYLSCPME SRHATYSWRHKNVEQSCEPGHQSPNCILFIENLTAQQYGHYFCEAQEGSYFREAHWQLL PEDGIMAEHLLGHACALAAASLWLGVLPTLTGLLVH TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_003612
ORF Size:	1998 bp
Buffer:	PBS with 0.001% Pluronic F6642
Stability:	AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.
RefSeq:	<u>NM_003612.1</u>
RefSeq Size:	3393 bp
RefSeq ORF:	2001 bp
Locus ID:	8482
UniProt ID:	<u>O75326</u>
Cytogenetics:	15q24.1
MW:	74.8 kDa