

Product datasheet for **RR212118**

Pcsk9 (NM_199253) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcsk9 (NM_199253) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pcsk9
Synonyms:	NARC-1; Narc1; PC9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR212118 representing NM_199253
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCATCCGCTGCTACATGGTTGCGGTGGCCGCTGTCGCCGACGCTGCTGTTGTTGCTGCTACTGT
 GCCCCACAGGCTCCCGTGCCAGGACGAGGACGGAGACTACGAAGAGCTGATGCTCGCCCTCCCGTCCCA
 GGAGGATAGCCTGGTTGATGAGGCTCACACGTGGCCACCGCCACCTTCCGCCGTTGCTCCAAGGAGGCC
 TGGAGGCTGCCAGGAACCTACGTGGTGGTGTGATGGAGGAGACCCAGCGGCTGCAGGTTGAACAACTG
 CCCATCGCTGCAGACCTGGGCGGCCCGCGGGGCTATGTCATCAAGTTCTGCATGTCTTTATGACCT
 CTTCCCTGGCTTCTGGTGAAGATGAGCAGTGACCTGTTGGCCCTGGCCCTGAAGTTGCCCATGTGGAG
 TACATCGAGGAAGACTCATTAGTCTTCGCCAGAGCATCCATGGAACCTGGAGCGGATTATCCACGCT
 GGCAGCAGACAGAGGAAGATAGCTCCCTGACGGAAGTAGCCAGGTGGAGGTGTATCTCTTAGATACCAG
 CATCCAGAGTGGCCACCGGGAGATCGAGGGCAGAGTTACCATCACTGACTTCAACAGTGTGCTGAGGAG
 GACGGGACACGTTTCCACAGACAGGCGAGCAAGTGTGACAGCCATGGCACCCACCTAGCAGGTGTGGTCA
 GCGGCCGGGATGCTGGTGTGGCCAAAGGGCACCAGTCTGCACAGTCTGCGTGTGCTCAACTGTCAAGGGAA
 GGGCACAGTCAGCGGCACCCTCATAGGCCCTGGAGTTTATTTCGGAAGAGCCAGCTAATCCAGCCTTCGGGG
 CCACTCGTGGTGTGCTGCCCTGGCGGTGGGTATAGCCGGATCCTTAACACTGCCTGCCAGCGCTGG
 CAAGGACTGGGGTAGTGTGGTGGCAGCAGCTGGGAATTTCCGAGATGATGCCTGCCTCTACTCCCCAGC
 CTCTGCTCCAGAGGTATTACAGTTGGGGCCACTAATGCCAGGACCAGCCAGTACCCTGGGGACTTTG
 GGGACAACTTTGGACGCTGTGTGGATCTTTTGGCCCGGAAGGACATCATCGGAGCCTCCAGTGACT
 GTAGCAGTGTACATGTACAGAGTGGGACGTACAAGCTGCTGCCACGTGGCTGGCATTGTGGTAT
 GATGCTGAACCGGATCCAGCACTTACCCTGGCTGAGCTGCGGCAGAGGTTGATCCTCTTCTACCAAA
 GATGTCATCAACATGGCCTGGTTCCTGAGGACCAGCGGTGCTGACCCCAACCGGTGGCCACACTGC
 CCCCCAGACCCAGGAGACAGGCGGGCAGCTGCTGCGGACAGTGTGGTCCGCCACTCAGGGCCAC
 CCGTACAGCAACAGCCACAGCCCGCTGTGCCCTGAAGAGGAACTGCTGAGCTGCTCCAGCTTCTCCAGG
 AGCGGGAGGCGACGGGTGATCGAATTGAGGCCATAGGGGGCCAGCAGGTCTGCAAGGCCCTCAATGCAT
 TTGGGGTGAGGGTGTCTATGCTGTCGCAAGGTGCTGCCTGCTTCCCCGTGCAACTGCAGCATCCACAA
 CACTCCTGCAGCCAGAGCTGGTCCGACAGCCCCGCTCCACTGCCACCAGAAGGACCATGTTCTCACAGGC
 TGCAGCTTCCACTGGGAAGTGGAAAACCTTAGAGCCCAGCAGCAGCCTCTGCTGAGGTCCAGACATCAAC
 CTGGCCAAATGCGTTGGCCACCAGGAGGCCAGTGTCCACGCTTCCCTGCTGCCATGCTCCAGGTCTGGAATG
 CAAAATCAAGGAGCATGGCATCGCAGGTCTGCAGAGCAGGTACCGTGGCCTGTGAGGCAGGATGGACC
 CTGACTGGATGCAACGTTCTCCCTGGGGCATCCCTCCCTCTGGGGGCTACAGTGTGGACAACGTGTGTG
 TGGCACGAATCCGTGATGCTGGTAGAGCGGACAGGACCAGTGAAGAAGCCACGGTAGCTGCTGCCATCTG
 CTGCCGGAGCCGGCTTCGGCAAAGGCCTCTGGGTTACCAGCTGCCGGAGCCGGCTTCGGCAAAGGC
 CTCCTGGGTTACCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212118 representing NM_199253
Red=Cloning site Green=Tags(s)

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MGIRCSTWLRWPLSPQLLLLLLLCPTGSRAQDEDGDYEELMLALPSQEDSLVDEASHVATATFRRC SKEA
WRLPGTYVVVLM EETQRLQVEQTAHRLQ TWAARRGVYIKVLHVFYDLFPGFLVKMSSDLLGLALKLPHVE
YIEEDSLVFAQSI PWNLERIIPAWQQTEEDSSPDGSSQVEVYLLDTSIQSGHREIEGRVITIDFNSVPEE
DGTRFHRQASKCD SHGTHLAGVVSGRDAGVAKG TSLHSLRVLNQCQKGKTVSGTLIGLEFIRKSQLIQPSG
PLVVLLPLAGGYSR ILNTACQRLARTGVVLVAAAGNFRDDACL YSPASAPEVITVGATNAQDQPVTLGTL
GTNFGRCVDLFA PGKDIIGASSDCSTCYMSQSGT SQAAAHVAGIVAMMLNRDPALTLAELRQRLILFSTK
DVINMAWFPEDQR VLT PNRVATLPPSTQETGGQLLCRTVWSAHS GPTRTATATARCAPEEELLSCSSF SR
SGRRRGDRIEAIGGQQVCKALNAFGGEGVYAVARCCLLPRVNC SIHNTPAARAGPQTPVHCHQKDHVLTG
CSFHWEVENLRAQQ PLLRSRHQPGQCVGHQEASVHASCCHAPGLECKIKEHGIAGPAEQTVACEAGWT
LTGCNVLPGASLPLGAYSVDNVCVARIRDAGRADRTSEEATVAAA ICCRSRPSAKASWVHQLPEPAFGKG
LLGSP
    
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1522_d05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_199253

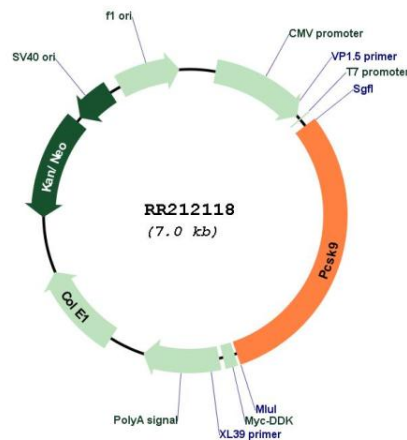
ORF Size: 2073 bp

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:**
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 Size:** 3350 bp
- RefSeq ORF:** 2076 bp
- Locus ID:** 298296
- UniProt ID:** [P59996](#)
- Cytogenetics:** 5q34
- MW:** 74.7 kDa
- Gene Summary:** a soluble zymogen; involved in hepatic growth and differentiation [RGD, Feb 2006]

Product images:



Circular map for RR212118