

Product datasheet for **MR210558**

Pcsk7 (NM_008794) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcsk7 (NM_008794) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pcsk7
Synonyms:	AA959856; PC7; SPC7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR210558 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCAAAGGGAGGCAGAAAGTCCACACTTGGATGCCACCTGGGCTGCCATCTGCCTCTGGCTGG
AATTAGCCATCTTCTTTCTGGTTCCCCAGGTTCATGGGCCTATCAGAGGCAGGTGGGCTTGACATCTTGGG
CACAGGGGGCTGAGCTGGGCCGTACATCTGGACAGCCTAGAAGGTGAGAGGAAGGAAGAGAGTCTGACG
CAACAGGCCGATGCTGTGGCCAGGCAGCAGGGCTTGTGAATGCTGGGCGCATTGGAGAAGTCCAGGGGC
ACTACCTCTTTGTCCAGCCTACTGGGCATAGGCAAGCCATGGAGGTGGAGGCCATGCGGCAACAGGCAGA
GGCTGTGTAGCCAGGCATGAAGCTGTGCGCTGGCACTCGGAGCAAACGCTGCTGAAGAGGGCCAAGCGC
AGTATCCACTTCAATGATCCCAAGTACCCTCAACAGTGGCACCTGAATAATCGGCGGAGCCAGGAAGAG
ACATCAATGTGACAGGTGTGTGGGAGCGAAATGTAAGTGGGCGTGGGGTGACAGTGGTGGTGGTGGATGA
CGGAGTGAACACACCGTCCAGGACATCGACCCAACACAGTCCAGAGGGAAGTTATGACCTCAACTCT
AATGACCCAGATCCCATGCCACCCCTGATGAGGAGAATGGTAACCACCATGGGACCCGGTGTGCAGGAG
AAATTGCAGCTGTGCCAACAAACAGCTTCTGTGCAAGTGGGTGTGGCTACGGGAGCCGAATAGCAGGTAT
CCGGGTGCTGGATGGACCACTTACTGACAGTATGGAGGCTGTGGCGTTCAACAAGCACTATCAGATCAAT
GACATCTACAGCTGCAGCTGGGGCCAGATGATGATGGGAAGACAGTGGATGGTCCCTCATCAGCTCGAA
AGGCTGCCTTACAACATGGAGTGTGGCTGGTGCAGCAAGGCTTTGGAAGTATCTTTGTGGTTGCCAGTGG
TAATGGGGCCAGCACAATGACAAGTCAACTATGATGGCTATGCCAACTCCATCTACACTGTCACCATA
GGAGCTGTGGATGAGGAGGGACGGATGCCTTTTTATGCAGAGGAGTGTGCCTCCATGCTGGCAGTCACT
TCAGTGGTGGAGACAAGATGCTGCGGAGCATTGTGACCACTGACTGGGACCTTCAGAAGGGCACTGGCTG
CACTGAAGGCCACACAGGAACCTCAGCTGCAGCTCCTCTGGCAGCTGGAATGATAGCCCTCATGCTGCAG
GTGCGGCCCTGCCTCACATGGCGGGATGTACAGCACATAATTGTCTTACAGCCATCCAGTATGAAGATC
ATCATGCAGACTGGCTCACCAATGAGGCTGGCTTACGCCACAGCCATCAGCATGGTTTCGGCCTGCTCAA
CGCTTGGAGACTTGTCAATGCAGCAAGATCTGGACATCTGTCCCTTACTTAGCCTCCTATGTCAGCCCC
ATGCTGAAAGAAAATAAGGCTGTCCGAGGTCCCCCACTCTCTGGAGGTGCTATGGAATGTCAGCAGGA
CGGACCTGGAGATGTCGGGGCTGAAGACCTTGGAAACATGTGGCAGTGACAGTCTCCATCACTCACCCAGC
ACGTGGCAGCTTAGAACTGAAACTGTTTTGTCCCAGTGGCATGATGTCTTTGATCGGCGGCCCCCGCAGC
ATGGACTCGGATCCTAATGGCTTCAATGCTTGGACCTTTTCCACTGTGCGGTGCTGGGGGAAAGAGCAA
GAGGCGTCTACAGACTGGTTATCAGGGATGTAGGAGATGAGCCGCTCCAGATGGGCATCCTCCAGCAGTG
GCAGCTGACCCTGTATGGCTCCATGTGGAGTCCAGTAGACATCAAGGACAGACAAAGTCTCTTAGAAAGT
GCTATGAGTGGAAAATACCTGCATGATGGCTTACCCTGCCTTGGCCACCTGGGCTGAAAATCCCTGAGG
AGGATGGCTACACCATTACCCTAACACACTCAAGACCTTGTGCTGGTGGTGGTGGTGGTGGTGGTGGTGG
GACTATTTACTACATGCTAGAAGTGTGCTGAGCCAGAGGAACAAGGCTTCCACCCATGGCTGCAGGAAG
GGATGTGCCCTGGGCCCCACGAAGGCAAACTCCAAGGATGCAGGGACAGCACTAGAATCAATGCCAC
TGTGCAGCAGCAAGGACCTGGATGGAGTGGATTAGAGCATGGGACTGCACAACATGCATCTAGCTTCTCT
GGCCCCAGAGCTGGATTGCTCCTCACACCAACCCCAAGACCTGCTGCAGGGGAAGAGCGGGCAGATTGCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210558 protein sequence
 Red=Cloning site Green=Tags(s)

MPKGRQKVPHLDAHLGLPICLWLELAIFFLVPQVMGLSEAGGLDILGTGGLSWAVHLDLSLEGERKEESLT
 QQADAVAQAAGLVNAGRIGELQGHYLFVQPTGHRQAMEVEAMRQQAEAVLARHEAVRWHSEQTLLKRAKR
 SIHFNDPKYPQQWHLNRRRSPGRDINVTGVWERNVTGRGVTVVVDDGVEHTVQDIAPNYSPEGSYDLNS
 NDPDPMPPHPDEENGHHGTRCAGEIAAVPNNSFCVAVGVYGSRIAGIRVLDGPLTDSMEAVAFNKHYQIN
 DIYSCSWGPDDDGKTVDGPHQLGKAALQHGVYAGRQGFSGSIFVVASGNGGQHNDNCNYDGYANSIYTVTI
 GAVDEEGRMFPYAEECASMLAVTFSGGDKMLRSIVTTDWDLQKGTGCTEGHTGTSAAAPLAAGMIALMLQ
 VRPCLTWRDVQHIIVFTAIQYEDHHADWL TNEAGF SHSHQHGFLLNAWRLVNAAKIWTSPYLAASYVSP
 MLKENKAVPRSPHSLEVLWNVSRDLEMSGLKLEHVAVTVSITHPRRGSLELKLFCPSGMMSLIGAPRS
 MDSDPNGFNAWTFSTVRCWGERARGVYRLVIRDVGDEPLQMGILQQWQL TLYGSMWSPVDIKDRQSLES
 AMSGKYLHDGFTLPCPPGLKIPEEDGYITPNTLKTLLVVGCF SVFWTIYYMLEVCLSQRNKASTHGCRK
 GCCPWAPRRQNSKDAGTALESMP L CSSKDL DGV DSEHGDC TTASSFLAPELDCPPHPDLLQGKSGQIC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_008794

ORF Size: 2313 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: [NM_008794.2](#), [NP_032820.2](#)

RefSeq Size: 3834 bp

RefSeq ORF: 2313 bp

Locus ID: 18554

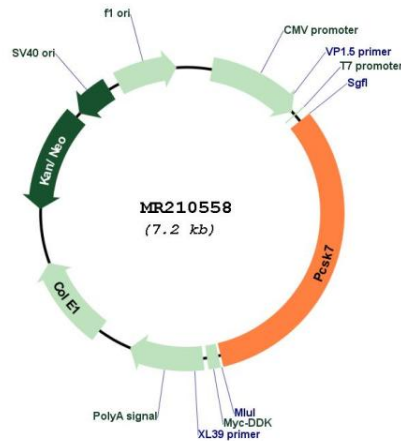
UniProt ID: [Q61139](#)

Cytogenetics: 9 25.32 cM

MW: 84.4 kDa

Gene Summary: Serine endoprotease that processes various proproteins by cleavage at paired basic amino acids, recognizing the RXXX[KR]R consensus motif. Likely functions in the constitutive secretory pathway.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210558