

Product datasheet for MR217041

Prss57 (NM_001042710) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prss57 (NM_001042710) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prss57
Synonyms:	2900092M14Rik; GLGL782; NSP4; Prssl1; UNQ782
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217041 representing NM_001042710 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCATCCTCTACAGCTATGGTGCCTGGGACAAGAGGAGGCTGGCACTGTCTGGTGTGACTACAGCAG
CTGCCCTGACCCAGCTCATGTGGCTCCCTGGTTGCTGTGGGTCTACATTGTTGGAGGCCATGAGGTAAC
GCCACATCCCGGCCCTATATGGCCTCTGTGAGCTTCGAGGGCCATCACTACTGTGGAGGCTTCCTGATT
CATACCATTGGGTGGTGTGAGCTGCCATTGCTTCAGTGACAGGGACCCCTCCATGGGGCTGGTGGTGC
TGGGGGCCACGCACTGCTCGCCCAGAGCCACACAGCAGACATTTAGCATTGCAGCTGCTGTCAGCCA
TCCTGATTTCCAGCCTGCCACACAGGCCAACGATATCTGCCTGCTAAGGTTGAACGGCTCTGCTGTCTCTG
GGCCCCGTGTGAGGCTATTACGATTGCCTCGGAGAAATGCTAAGCCACCTGCTGCGGGCACGCGTTGCC
ATGTATCCGGCTGGGGCTTCGTGTCTGACTTTGAGGAGCCTCCGCTGGACTGATGGAAGTCGAGGTGCG
CATACTGGATCTGAGTGTCTGCAACAGCTCCTGGCAGGGCCAGCTGAATCCTGCCATGCTCTGCACTCAC
AGTGGGGACCGCCGGCGGCGTGGTTTCTGCTCGGCAGATTCTGGGGACCCCTGGTCTGTGGAAGACGGG
CCCATGGTCTTGATCTTTCTCAGGCCTCTGGTGTGGTGACCCCAAGACTCCGGATGTCTACACTCAAGT
GTCAGCGTTTGTGACCTGGATCTGGGATGTGGTTCGGCAAGTTCATCCCTGGTTCTACTGGACGCTCT
GTGAGGGCTGTT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR217041 representing NM_001042710
 Red=Cloning site Green=Tags(s)

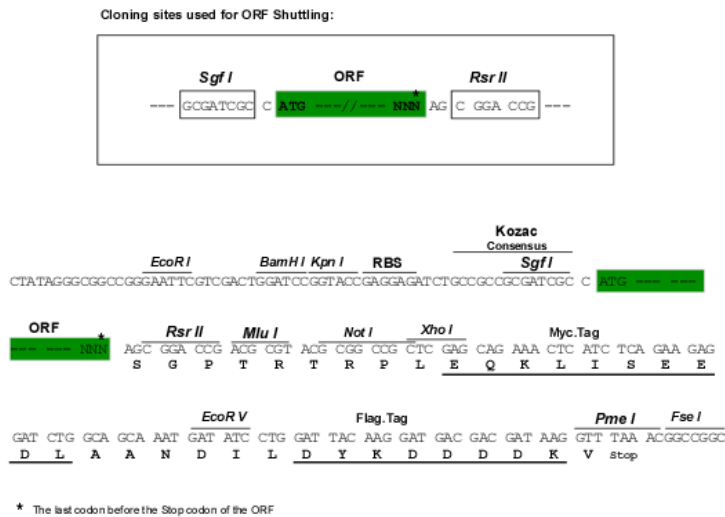
MPSSTAMVPGTRGGWHCLVLTAAALTQLMWLPGCCGSYIVGGHEVTPHSRPYMASVSFEGHHYCGGFLI
 HTHWVVSAAHCFSDRDPSMGLVVLGAHALLAPEPTQQTFSIAAAVSHPDFQPATQANDICLLRLNGSAVL
 GPAVRLRLRPRNAKPPAAGTRCHVSGWGFVSDFEPPPGLMEVEVRILDLSVCNSSWQQLNPAMLCTH
 SGDRRRRGFCADSGLPLVCGRRRAHGLVSFSGLWCGDPKTPDVYTVQVSAFVTWIWDVVRASSSPGSTGRS
 VRAV

SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9061_b09.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001042710

ORF Size: 852 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_001042710.1](#), [NP_001036175.1](#)

RefSeq Size: 2693 bp

RefSeq ORF: 855 bp

Locus ID: 73106

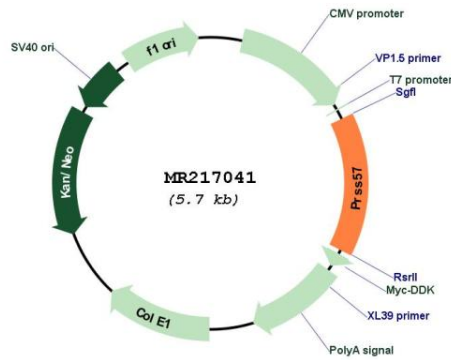
UniProt ID: [Q14B24](#)

Cytogenetics: 10 C1

MW: 30.3 kDa

Gene Summary: Serine protease that cleaves preferentially after Arg residues. Can also cleave after citrulline (deimided arginine) and methylarginine residues.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217041