

Product datasheet for **RR203555**

Prss1 (NM_012635) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prss1 (NM_012635) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Prss1
Synonyms: PTRYI; RATPTRYI; Try1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203555 representing NM_012635
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGCACCTTCTGATCCTAGCCCTTGTGGGAGCTGCTGTTGCTTCCCTTTGGAAGATGATGACAAGA
TCGTTGGAGGATACACCTGCCCGAACATTCTGTCCCCTACCAGGTGCCCTGAACCTCTGGCTACCACTT
CTGTGGAGGTTCCCTCATCAATGACCAGTGGTGGTGTCTGCAGCTCACTGCTACAAATCCCGCATCCAA
GTGAGACTGGGAGAGCACAAATCAATGCCTTGAGGGCGATGAGCAATTTATCAATGCTGCCAAGATCA
TCAAGCACCCAACTATAGTTCGTGGACCCTGAACAATGACATCATGCTGATCAAGCTCTCTTCCCTGT
GAAACTCAATGCCCGAGTGGCCCTGTAGCTCTGCCAGCGCCTGTGCACCTGCAGGCACTCAGTGCCTC
ATCTCTGGCTGGGGCAACACCCTCAGCAATGGTGTGAACAACCCAGACCTGCTCCAATGCGTGGATGCC
CAGTGTCTCTCAGGCTGACTGTGAAGCCGCTACCCTGGGAAATCACCAGCAGCATGATTTGTGTTGG
CTTCTGGAGGGAGGCAAAGATTCCTGCCAGGGTACTCTGGTGGCCCGGTGGTCTGCAATGGACAGCTC
CAGGGTATTGTCTCCTGGGGCTATGGTTGTGCCCTGCCAGACAACCCTGGTGTGTACACCAAGGTCTGCA
ACTTTGTGGGCTGGATTCAGGACACCATTGCTGCAAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203555 representing NM_012635
Red=Cloning site Green=Tags(s)

MSALLILALVGA AVAPFLEDDDKIVGGYTCPEHSVPYQVSLNSGYHFCGGSLINDQWVVSAAHCYKSRIQ
 VRLGEHNINVLEGEQFINAAKI IKHPNYSWTLNNDIMLIKLS SPVKLNARVAPVALPSACAPAGTQCL
 ISGWGNTLSNGVNNPDLQCVDAPVLSQADCEAAYPGEITSSMICVGFLEGGKDCSQGDSGGPVCNGQL
 QGIVSWGYGICALPDNPGVYTKVCNFVGIQDTIAAN

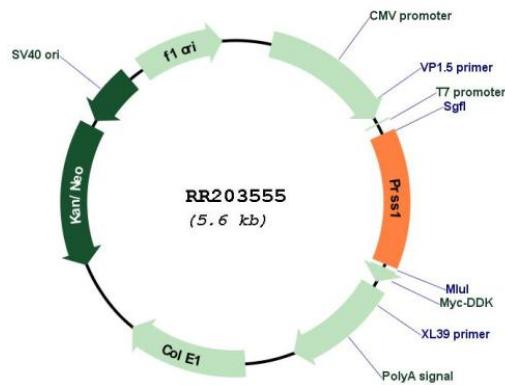
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012635
ORF Size: 738 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_012635.1 , NP_036767.1
RefSeq Size:	804 bp
RefSeq ORF:	741 bp
Locus ID:	24691
UniProt ID:	P00762
Cytogenetics:	4q23
MW:	26 kDa
Gene Summary:	catalyzes the cleavage of Arg-Xaa, Lys-Xaa [RGD, Feb 2006]