

## Product datasheet for **RR207107**

### Prss2 (NM\_012729) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prss2 (NM_012729) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prss2
Synonyms:	Ptryss2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR207107 representing NM_012729 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGAGAGCACTCCTGTTCTTGGCTCTTGTGGGAGCTGCTGTTGCTTTCCCGTGGATGATGATGACAAGA  
TCGTTGGAGGATACACCTGCCAAGAGAATTCTGTTCCCTACCAAGTGTCCCTGAAGTCTGGCTACCACTT  
CTGTGGAGGTTCCCTCATCAATGACCAGTGGTGGTGTCTGCAGCTCACTGCTATAAGTCCCGCATCCAA  
GTGAGACTGGGAGAGCACAAATCAATGCCTTGAGGGCAATGAGCAGTTTGTCAATGCTGCCAAGATCA  
TCAAGCATCCCAACTTCGATAGGAAGACCCTGAACAATGACATCATGCTGATCAAGCTCTCTTCCCTGT  
GAAACTCAATGCTCGAGTGGCCACTGTGGCTCTTCCCAGCTCCTGTGCACCTGCAGGCACTCAGTGCCTC  
ATCTCTGGCTGGGGCAACACGCTCAGCAGTGGCGTCAATGAACCAGACCTGCTCCAGTGCCTGGATGCC  
CACTGTGCCCAAGCTGACTGTGAAGCCTCCTACCCTGGAAAGATCACTGACAACATGGTCTGTGTTGG  
CTTCTAGAGGGAGGCAAGGATTCCTGCCAGGGTACTCTGGTGGCCCTGTGGTCTGTAATGGAGAGCTG  
CAGGGCATTGTCTCCTGGGGCTATGGCTGTGCCCTGCCAGATAACCCTGGTGTGTACACCAAGGTCTGCA  
ACTATGTGGACTGGATTCAGGACACAATTGCTGCCAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR207107 representing NM\_012729  
Red=Cloning site Green=Tags(s)

MRALLFLALVGA AVFPVDDDDKIVGGYTCQENSVPYQVSLNSGYHFCGGSLINDQWVVSAAHCYKSRIQ  
 VRLGEHNINVLEGNQFVNAAKIIKHPNFDRKTLNNDIMLIKLSPPVKLNARVATVALPSSCAPAGTQCL  
 ISGWGNTLSSGVNEPDLQLCLDAPLLPQADCEASYPGKITDNMVCVGFLEGGKDCSQGDSGGPVVNCNEL  
 QGIVSWGYGICALPDNPGVYTKVCNYVDWIQDTIAAN

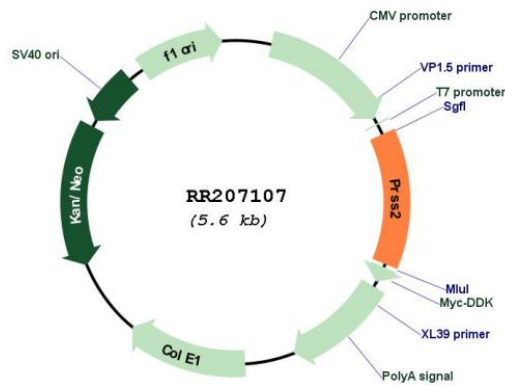
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_012729  
**ORF Size:** 738 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_012729.1</a> , <a href="#">NP_036861.1</a>
<b>RefSeq Size:</b>	741 bp
<b>RefSeq ORF:</b>	741 bp
<b>Locus ID:</b>	25052
<b>UniProt ID:</b>	<a href="#">P00763</a>
<b>Cytogenetics:</b>	4q23
<b>MW:</b>	26.2 kDa
<b>Gene Summary:</b>	catalyzes the cleavage of Arg-Xaa, Lys-Xaa [RGD, Feb 2006]