

## Product datasheet for **MR210519**

### Prss12 (NM\_008939) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prss12 (NM_008939) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prss12
Synonyms:	Bssp-3; motopsin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR210519 representing NM\_008939  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGCTCGCCCGCTGCGTGTGGCTGTGATTTTAGGGGCACTGTCTGTAGTGCCCGCTGATCCGG  
 TCTCGCGCTCTCCCTTACCAGCCGCATCCGTCCCACCGCGTTCCCAACACGCGCACTACCTTCCCAG  
 CTCGCGCGGCCACCCAGGACCCCGCGCTTCCCGCTCCCGCTGCGGATCCCGCTGCCAGCGCCCGCAG  
 GTCCTCAGCACCGGGCACACGCCCCGACGATTCCACGCCGTGCGGGGACAGGAGTCTGGGGCAATG  
 CCACCAACCTCGGCGTCCCGTGTCTACTGGACGAGGTGCCGCCCTTCTGGAGCGGTGCCCCCGGC  
 CAGTTGGGCTGAGCTGCGAGGGCAGCCGCAACTTCTGCCGGAGCCGGATGGCTGGGCGACACTTGG  
 TGCTTCTATCGGAATGCCAGGGCAAAGTAGACTGGGGCTACTGCGATTGTGGTCAAGGCCCGCGTTGC  
 CCGTCATTGCGCTTGTGGTGGGAACAGTGGGCATGAAGTTCAGTGGAGCTGTACCACGCTGGCCAGTG  
 GGGGACCATCTGTGACGACCAATGGGACAATGCAGACGCAGACGTCATCTGTAGGCAGCTGGGGCTCAGT  
 GGCATTGCCAAAGCATGGCATCAGGCACATTTTGGGGAAGGATCTGGCCCAATATTGTTGGATGAAGTAC  
 GCTGCACCGGAAACGAGCTGTCAATTGAGCAATGTCCAAAGAGTTCCTGGGGCGAACATAACTGTGGCCA  
 TAAAGAAGATGCTGGAGTGTCTTGTGTTCTTAACAGATGGTGTATCAGACTGGCAGGAGGAAAAAGT  
 ACCCATGAAGGTCGCTGGAGGTCTACTACAAGGGGACAGTGGGGGACAGTCTGTGATGATGGCTGGACTG  
 AGATGAACACATACGTGGCTTGTGACTGCTGGGATTTAAATACGGCAACAGTCCTCTGTGAACCATTT  
 TGATGGCAGCAACAGGCCCATATGGCTGGATGACGTGACGTGCTCAGGAAAAGAAGTCACTTATTTCAG  
 GTTCCAGGAGACAGTGGGAAGGCATGACTGCAGCCATAGAGAAGATGTGGGCTCACCTGTATCCTG  
 ACAGGATGGACATAGGCTTCTCCAGGTTTTCCATCAGACTAGTGGATGGAGAGAATAAGAAGGAAGG  
 ACGAGTGGAGTTTTTGTCAATGGCCAATGGGGAACAATCTGCGATGACGGATGGACCGATAAGCATGCA  
 GCTGTGATCTGCCGCGAGCTTGGCTATAAGGGTCTGCCAGAGCAAGGACTATGGCTATTTTGGGGAAG  
 GAAAAGGCCCATCCACATGGATAATGTGAAGTGCACAGGAAATGAGAAGGCCCTGGCTGACTGTGTCAA  
 ACAAGACATTGGAAGGCACAACCTGCCGCCACAGTGGATGCAGGAGTCACTGTGACTATTTAGAGAAG  
 AAAGCATCAAGTAGTGGTAATAAAGAGATGCTCTCATCTGGATGTGGACTGAGGTTACTGCACCGTCGGC  
 AGAAACGGATCATTGGTGGGAACAATTCTTTAAGGGTGCCTGGCCTTGGCAGGCTTCCCTCAGGCTGAG  
 GTCGCCCCATGGAGACGGCAGGCTGCTTGTGGAGCTACCCTTCTGAGTAGCTGCTGGGTCCTGACAGCT  
 GCACACTGCTTAAAAGGTACGGAAACAACCTCGAGGAGCTATGCAGTTTCAGTTGGGATTATCATACTC  
 TGGTACCAGAGGAGTTTGAACAAGAAATAGGGGTTCAACAGATTGTGATTCACAGGAACTACAGGCCAGA  
 CAGAAGCGACTATGACATTGCCCTGGTTAGATTGCAAGGACCAGGGGAGCAATGTGCCAGACTAAGCACC  
 CACGTTTTTGCAGCCTGTTACCTCTATGGAGAGAGAGGCCACAGAAAACAGCCTCCAACGTGCACATAA  
 CAGGATGGGGAGACACAGGTCGTGCCTACTCAAGAACTCTACAACAAGCTGCTGTGCCTCTGTTACCCAA  
 GAGGTTTTGTAAGAGAGGTACAAGGACTATTTACTGGGAGAATGCTCTGTGCTGGGAACCTCCAAGAA  
 GACAACCGTGTGGACAGCTGCCAGGGAGACAGTGGAGGACCACTCATGTGTGAAAAGCCTGATGAGTCCT  
 GGGTTGTGATGGGGTGACTTCTGGGGTATGGATGTGGAGTCAAAGACACTCCTGGAGTTTATACCAG  
 AGTCCCCGCTTGTACCTTGGATAAAAAGTGTACCAGTCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR210519 representing NM\_008939  
 Red=Cloning site Green=Tags(s)

MALARCVLAVILGALSVVARADPVSRSPHRPHSPPPRSQHAHYLPSSRRPRTPRFPLPLRIPAAQRPO  
 VLSTGHTPPTIPRRCGAGESWGNATNLGVPCLHWDEVPPFLERSPPASWAE LRGPQPHNFCRSPDGSGRPW  
 CFYRNAQKVDWGYCDCGQPALPVIRLVGGNSGHEGRVELYHAGQWGTICDDQWDNADADVICRQLGLS  
 GIAKAWHQAHFGE GSGPILLDEV RCTGNEL SIEQCPKSSWGEHNCGHKEDAGVSCVPLTDGVIRLAGGKS  
 THEGRLEVYYKQWGTVCDDGWTE MNTYVACRLLGFKYGKQSSVNHFDGSRPIWLLDDVSCSGKEVSFIQ  
 CSRRQWGRHDCSHREDVGLTCYPDSGDHRLSPGFPIRLVDGENKKEGRVEVFVNGQWGTICDDGWTDKHA  
 AVICRQLGYKGPARTMAYFGE GKGPIHMDNVKCTGNEKALADCVKQDIGRHNCRHS EDAGVICDYLEK  
 KASSSGNKEMLSSGCLRLLRHQKRIIGGNSLRGAWPQASLRSAHGDGRLLCGATLLSSCWVLT  
 AHC FKRYGNNRSYAVRVGDYHTLVPEEFQEIGVQQIVIHRNYPDRSDYDIALVRLQGPGEQCARLST  
 HVLPACLPLWRERPKTASNCHITGWGDTGRAYSRTLQQAAPVLLPKRFCKERYKGLFTGRMLCAGNLQE  
 DNRVDSQCQDSSGGLMCEKPDSEWVVYGVTSWGYGCGVKDTPGVYTRVPAFVPIKSVTSL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_008939

**ORF Size:** 2283 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\\_008939.2](#)

**RefSeq Size:** 2614 bp

**RefSeq ORF:** 2286 bp

**Locus ID:** 19142

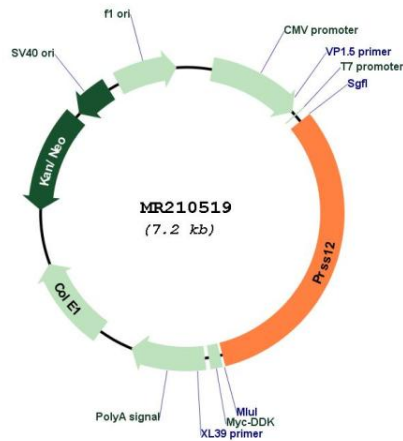
**UniProt ID:** [O08762](#)

**Cytogenetics:** 3 G1

**MW:** 84.6 kDa

**Gene Summary:** Plays a role in neuronal plasticity and the proteolytic action may subserve structural reorganizations associated with learning and memory operations.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR210519