

## Product datasheet for MR218614

### Prss21 (NM\_020487) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prss21 (NM_020487) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prss21
Synonyms:	1700023E12Rik; mT4; TESP5; testisin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218614 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCGCGGGGCAAGACGTTGGTGCCACTGCTGGTGGTTGTGGCGACTGCGGCGATGGCCTTACAGT  
CAACCTATTTGCAGGTGGATCCCGAGAAACCCGAACTGCAGGAACCCGACCTATTGTGAGGGCCCTGCGG  
TCACAGGACCATCCCTTCCCGTATAGTGGTGGCGATGATGCTGAGCTTGGCCGCTGGCCGTGGCAAGGG  
AGCCTGCGTGTATGGGGCAACCACTTATGTGGCGCAACCTTGCTCAACCGCCGCTGGGTGCTTACAGCTG  
CCCACTGCTTCCAAAAGGATAACGATCCTTTTACTGGACAGTCCAGTTTGGTGAGCTGACTTCCAGGCC  
ATCTCTCTGGAACCTACAGGCCTATTCCAACCGTTACCAATAGAAGATATTTTCCCTGAGCCCAAGTAC  
TCGGAGCAGTATCCCAATGACATAGCCCTGCTGAAGCTGTCTCCAGTACCTACAATAAATTTCATCC  
AGCCCATCTGCCTCCTGAACTCCACGTACAAGTTTGAGAACCGAACTGACTGCTGGGTGACCGGCTGGGG  
GGCTATTGGAGAAGATGAGAGTCTGCCATCTCCAACACTCTCCAGGAAGTGCAGGTAGCTATTATCAAC  
AACAGCATGTGTAACCATATGTACAAAAGCCAGACTTCCGCACGAACATCTGGGGAGACATGGTTTGGC  
CTGGCACTCCTGAAGGTGCAAGGATGCCTGCTTTGGTACTCGGGAGGACCCTTGGCCTGCGACCAGGA  
TACGGTGTGGTATCAGGTTGGAGTTGTGAGCTGGGGAATAGGCTGTGGTGCAGGCAATCGCCCTGGAGTC  
TATACCAACATCAGTCATCACTACAACCTGGATCCAGTCAACCATGATCCGCAATGGGCTGCTCAGGCCTG  
ACCCAGTCCCCTTGCTACTGTTTCTTACTCTGGCCTGGGCTTCCCTTTGCTGAGCCCTGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR218614 protein sequence  
 Red=Cloning site Green=Tags(s)

MGARGKTLVPLL VVVATAAMALQSTYLQVDPEKPELQEPDLLSGPCGHRTIPSRI VGGDDAELGRWPWQG  
 SLRVWGNHLCGATLLNRRWVLTAAHCFQKDNDFDWTVQFGELTSRPSLWNLQAYSNRYQIEDIFLSPKY  
 SEQYPNDIALLKLSPPVTYNNFIQPICLLNSTYKFENRTDCWVTGWGAIGEDSLPSPNTLQEVQVAIIN  
 NSMCNHMYKKPDFRTNIWGMVCAGTPEGKDACFGDSGGPLACDQDTVWYQVGVVSWGIGCGRPNRPGV  
 YTNISHHYNWIQSTMIRNGLLRPDPVPLLLFLTLAWASSLLRPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_020487

**ORF Size:** 975 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\\_020487.3](#)

**RefSeq Size:** 1077 bp

**RefSeq ORF:** 975 bp

**Locus ID:** 57256

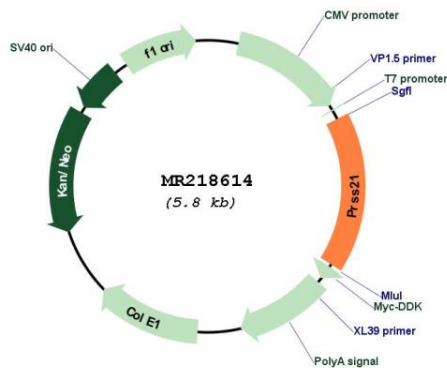
**UniProt ID:** [Q9JHI7](#)

**Cytogenetics:** 17 12.11 cM

**MW:** 36.2 kDa

**Gene Summary:** Could regulate proteolytic events associated with testicular germ cell maturation. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR218614