

Product datasheet for **RR214774**

Prss16 (NM_001033710) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prss16 (NM_001033710) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prss16
Synonyms:	MGC125068
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR214774 representing NM_001033710
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGTCAAGGCTCCATGGTTGGCTTCTTGCTTCTGGTTTCCCTCTGGGACTGTCAGTCCAGCTT
 TGCTTCTCCGGCGCCTGAGAGAACACATTCAGAACTTTCAGGAGAGCTCTAACACACACCCAGGCTCTGT
 CCTAGGCCACGGTCTGGAGCTATCCCCAAACAAGGGTGGTTAGAACAGCCACTGGATCCCTTCAATGCA
 ACTGACAGACGAATCTTCTACAGCGGACTGGGTGAATGATCAACACAGAACTGGCCAAGATGCACCAG
 TATTTCTGCACATAGGAGGTGAGGGCAGCCTTGGACCTGGCTCAGTAATGACAGGGCATCTGCTGCACT
 GGCCCTGCCTGGGGGGCCTGGTGATAAGCCTGGAACACAGATTCTATGGTCTGAGTATGCCTGCTGGG
 GGCTGGATGTGGCCCTGCTCCACTACTGTCCAGCCGCATGCGTTGGTGACGTGGCCTCTGCTCGTC
 AGCGCTCTCCGGCTCCTCAATGTGTCTTCTCCAGCCCTTGGATCTGCTTCGGAGGCTCCTATGCTGG
 CTGCTGGCGACTGGACCCGGTTGAAGTTCACCCACCTAGTCTTGGCCCGCTGCCTCCTCCGACCA
 TTGAACGCAGTAGTGGACTTCTCCGCCTATAACCAGGTGGTGGCCAGAAGCCTGACGCAAGTCCACATAG
 GCGGATCATTGGAGTGCCTGGCGCGGCCCTCCACAGCCTTTCGGAGGTAGAGCGGCTGTGCGCGCAGG
 TCTGGCGTCTCAGGCTGTGCTGAGGGAGGAACTGGGCGCCTGCGGGTCCCTGGACCTTATTGAAGACCA
 GCGGAGCTGTGGGAGCGTTGCAGGCACTGGTGGGAGGCACGGTGCAGTACGACGGGACGGCGGGATCGC
 CGCTAAGCGTGCAGCAGCTCTGCGGACTCCTGCTCCGGACTGGGAAACCGCAACCACTCCACGCCTTA
 CCTGGGGCTTCGCGGGCTGTACAGAGAGTCTTGGCAGCATGGGACAGAAGTGTAAAGCTCTCCAGA
 GCAGAGACAGTGGCACAGCTGAGAAACACCGAACCGCAAGTGTCTGGCGTGGGGGACCGGAGTGGTTGT
 ATCAGACATGCACTGAGTTTGGCTTCTATGTACCTGTGAGGGCCTTCACTGTCTTTTTTCCAGCTCCC
 AGCACTGCCCTTCCAGCTAGATCTGTGTGAACAAGTGTTCGGCCTCTCACCTTCACTGTTGCCAGGCT
 GTGGCCAGACAACTCCTATTATGGTGGCCAAAGTCTGGAGCCACCAAGTAATGTTTGTAAACGGGG
 ACACAGATCCCTGGCATGTACTGAGTGTAAACAGGACTTAGGACCTCTGAGCCAGCCCTTCTAATTCC
 TAGTGCCTCCCACTGCCTTGATATGGCACCTATGAGGCCCTCAGACTCTCCTAGCCTCCGCTAGGGCGT
 CAGAAAATCTCCAGCAATTACAGGTCTGGCTCAAAGATATAAGAAGAGCCAGGACTGATGAGATC

ACGCGTACGCGGCGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214774 representing NM_001033710
 Red=Cloning site Green=Tags(s)

MAVKAPWLGFLLLVSLWGLSAPALLRRLREHIQNFQESSNTHPGSVLGHGPGAIPKQGWLEQLDPFNA
 TDRRIFLQRYWVNDQHR TGQDAPVFLHIGGEGSLGPGSVMTGHPAALAPAWGALVISLEHRFYGLSMPAG
 GLDVALLLHYLSSRHALADVASARQALSGLLNVSSSPWICFGGSYAGSLATWTRLKFPHLVFAAVASSAP
 LNAVVDFAAYNQVVARSLTQVTIGGSLECLAAASTAFAEVERLLRAGLASQAVLREELGACGSLDLIEDQ
 AELLGALQALVGGTVQYDQAGSPLSVRQLCGLLLRWGNRNHSTPYLGLRRVQRVLRSMGQKCLSSSR
 AETVAQLRNTEPQVSGVDRQWLYQTCTEFGFYVTCEGLQCPFSQLPALPFQLDLCEQVFLSPSSVAQA
 VAQTNSYYGGQSPGATQVMFVNGDTPWHVLSVTQDLGPSEPALLIPSASHCLDMAPMRPSPSLRLGR
 QKIFQQLQVWLKDIRRARTDEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

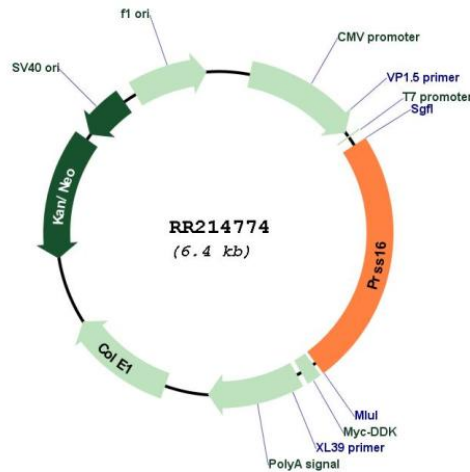
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001033710

ORF Size: 1536 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_001033710.1](#), [NP_001028882.1](#)

RefSeq Size: 2090 bp

RefSeq ORF: 1539 bp

Locus ID: 364719

Cytogenetics: 17p11

MW: 55.2 kDa