

Product datasheet for **MG218614**

Prss21 (NM_020487) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prss21 (NM_020487) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prss21
Synonyms:	1700023E12Rik; mT4; TESP5; testisin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218614 representing NM_020487 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGGCGCGGGGCAAGACGTTGGTGCCACTGCTGGTGGTTGTGGCGACTGCGGCGATGGCCTTACAGT
CAACCTATTTGCAGGTGGATCCCGAGAAACCCGAACTGCAGGAACCCGACCTATTGTCAGGGCCCTGCGG
TCACAGGACCATCCCTTCCCGTATAGTGGTGGCGATGATGCTGAGCTTGGCCGCTGGCCGTGGCAAGGG
AGCCTGCGTGTATGGGGCAACCCTTATGTGGCGCAACCTTGCTCAACCGCCGCTGGGTGCTTACAGCTG
CCCACTGCTTCCAAAAGGATAACGATCCTTTTGACTGGACAGTCCAGTTTGGTGAGCTGACTTCCAGGCC
ATCTCTCTGGAACCTACAGGCCTATTCCAACCGTTACCAATAGAAGATATTTTCCCTGAGCCCAAGTAC
TCGGAGCAGTATCCCAATGACATAGCCCTGCTGAAGCTGTCTCCAGTACCTACAATAAATTTCATCC
AGCCCATCTGCCTCCTGAACTCCACGTACAAGTTTGAGAACCGAACTGACTGCTGGGTGACCGGCTGGGG
GGCTATTGGAGAAGATGAGAGTCTGCCATCTCCAACACTCTCCAGGAAGTGCAGGTAGCTATTATCAAC
AACAGCATGTGTAACCATATGTACAAAAGCCAGACTTCCGCACGAACATCTGGGGAGACATGGTTTGCG
CTGGCACTCCTGAAGGTGCAAGGATGCCTGCTTTGGTGACTCGGGAGGACCCTTGGCTGCGACCAGGA
TACGGTGTGGTATCAGGTTGGAGTTGTGAGCTGGGGAATAGGCTGTGGTGCAGGCAATCGCCCTGGAGTC
TATACCAACATCAGTCATCACTACAACCTGGATCCAGTCAACCATGATCCGCAATGGGCTGCTCAGGCCGCT
ACCCAGTCCCCTTGCTACTGTTTCTTACTCTGGCTGGGCTTCCCTTTGCTGAGGCCTGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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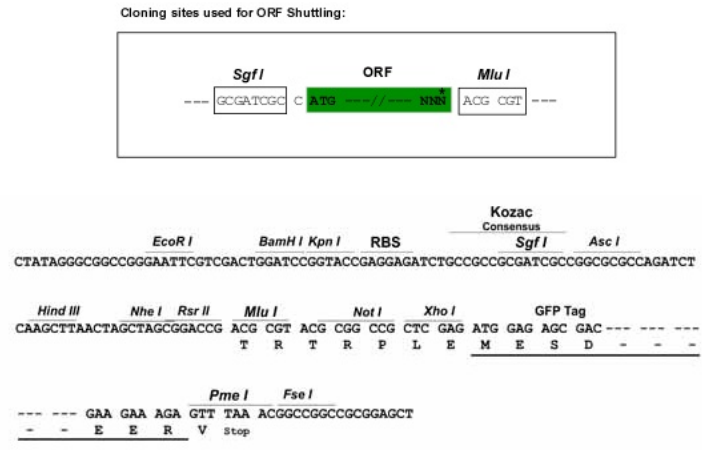
Protein Sequence: >MG218614 representing NM_020487
Red=Cloning site Green=Tags(s)

MGARGKTLVPLL VVVATAAMALQSTYLQVDPEKPELQEPDLLSGPCGHRTIPSRI VGGDDAELGRWPWQG
 SLRVWGNHLCGATLLNRRWVLTAAHCFQKDNDFDWTVQF GELTSRPSLWNLQAYSNRYQIEDIFLSPKY
 SEQYPNDIALLKLSPPVTYNNFIQPICLLNSTYKFENRTDCWVTGWGAIGEDSLPSPNTLQEVQVAIIN
 NSMCNHMYKKPDFRTNIWGMVCACTPEGKDACFGDSSGGPLACDQDTVWYQVGVVSWGIGCGRPNRPGV
 YTNISHHYNWIQSTMIRNGLLRPDPVPLLLFLTLAWASSLLRPA

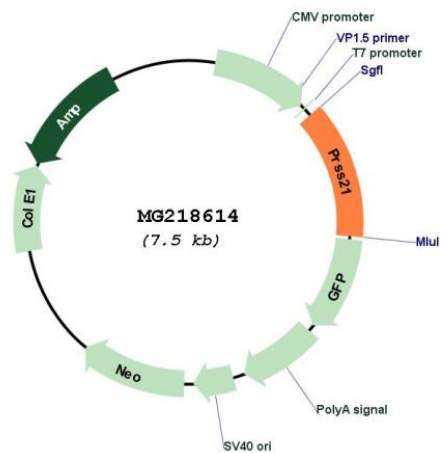
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_020487

ORF Size: 972 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_020487.3
RefSeq Size:	1077 bp
RefSeq ORF:	975 bp
Locus ID:	57256
UniProt ID:	Q9JHJ7
Cytogenetics:	17 12.11 cM
Gene Summary:	Could regulate proteolytic events associated with testicular germ cell maturation. [UniProtKB/Swiss-Prot Function]