

Product datasheet for **RG214567**

PRSS45 (NM_199183) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PRSS45
Synonyms:	TESSP5
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG214567 representing NM_199183
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCCGCCATTGGCCCTGGGAGGTGAGCCTCCGGATGGAATGAGCACGTGTGTGGAGGGGCCCTCA
TTGACCCAGCTGGGTGGTGACTGCGGCCCACTGCATCCAAGGCACCAAGAGTACTCAGTGGTGCTTGG
CACCTCCAAGCTGCAGCCCATGAATTCAGCAGGGCCCTCTGGGTCCCTGTGAGGGACATCATTATGCAC
CCCAAGTACTGGGGCCGGCCCTTCATCATGGGTGACGTTGCCCTTGCCACCTTCAAAACACCTGTACCT
TCAGTGAGTACGTGCAGCCCATCTGCCTCCCGAGCCCAATTTCAACCTGAAGGTTGGGACGCAGTGTTG
GGTGACTGGCTGGAGCCAGGTTAAGCAGCGCTTTTCAGCCAACTCCATGCTGACCCAGAGCTGCAGGAG
GCTGAGGTGTTTATCATGGACAACAAGAGGTGTGACCGGCATTACAAGAAGTCCTTCTTCCCCCAGTTG
TCCCCCTTGCTCTGGGGACATGATCTGTGCCACCAATTATGGGAAAACTTGTCTATGGGATTCTGG
AGGGCCATTGGCTTGTGAAGTTGAGGGCAGATGGATTCTGGCTGGGGTGTGTCTCTGGGAAAAGGCCTGC
GTGAAGGCACAGAATCCAGGTGTGTACACCCGCATCACCAATACACCAATGGATCAAGAAGCAATGA
GCAATGGAGCCTTCTCAGGTCCTGTGCCTCTGCCTCCTGTCTCTGTGCTGGCTGCTGCAGCCCCA
GATGGGCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



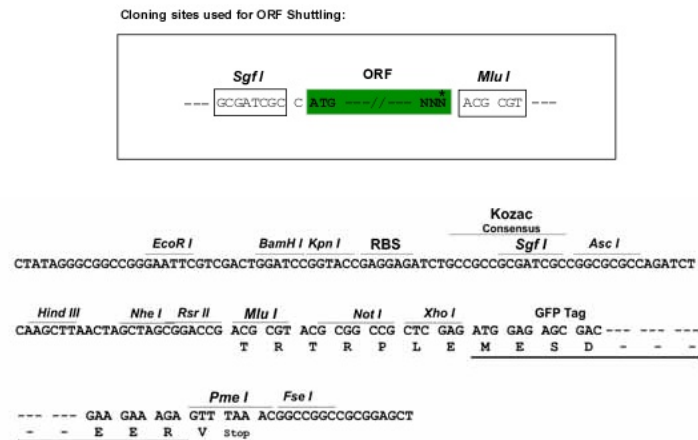
Protein Sequence: >RG214567 representing NM_199183
 Red=Cloning site Green=Tags(s)

MTRHWPWEVSLRMENEHVCGGALIDPSWVVTAAHCIQGTKEYSVVLGTSKLQPMNFSRALWVPVRDIIMH
 PKYWGRAFIMGDVALVHLQTPVTFSEYVQPICLPEPNFNKVGTCWVTGWSQVKQRFSA NSMLTPELQE
 AEVFI MDNKRCDRHYKKSFFPPVPLVLGDMICATNYGENLCYGD SGGPLACEVEGRWILAGVLSWEKAC
 VKAQNPGVYTRITKYTKWIKQMSNGAFSGPCASACLLFLCWLLQPQMGS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_199183

ORF Size: 780 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_199183.1](#), [NP_954652.1](#)

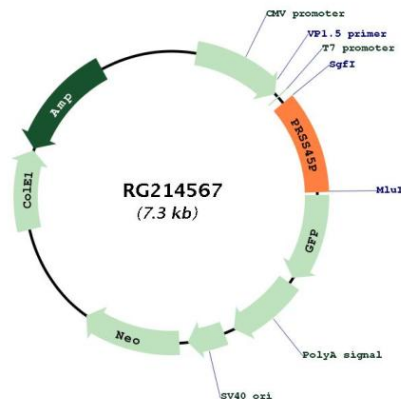
RefSeq Size: 783 bp

RefSeq ORF: 687 bp

Locus ID: 377047

Cytogenetics: 3p21.31

Product images:



Circular map for RG214567