

Product datasheet for **MG204747**

Prss52 (NM_028525) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prss52 (NM_028525) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Prss52
Synonyms: 1700049K14Rik; Tesp3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204747 representing NM_028525
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAACGATGGAAGGACAGAAGAACAGGCCTGTTGCTGCCATTGGTCCTCCTGTTGTTGGGGCATGTA
GCTCACTGGCATGGGTATGTGGCCGGCGAATGAGTAGCAGATCCCAACAACCTAACAATGCTTCTGCTAT
CGTGGAAGGCAAACCTGCTTCTGCTATCGTGGGAGGCAAACCTGCAAACATCTTGGAGTTCCTGGCAT
GTGGGGATTATGAATCATGGTAGTCATCTCTGTGGGGATCTATTCTCAATGAGTGGTGGTTCTATCTG
CATCCCATTTGCTTCGACCAACTAAACAACCTCTAAATTGGAGATCATTGATGGCACTGAAGACCTCAGCAC
AAAGGGCATAAAGTATCAGAAAGTGGACAAGTTATTCTTGACCCAAAGTTTGATGACTGGCTCCTGGAC
AACGACATAGCTTTGCTCTTGTCTCAAATCCCCATTAACCTTGAGTGTCAACAGGATACCTATCTGCACTT
CAGAAATCTCTGACATACAGGCATGGAGGAACTGCTGGGTGACAGGATGGGGCATTACTAATACTAGTGA
AAAAGGAGTCCAACCCACAATTCTGCAGGCAGTCAAAGTGGATCTGTACAGATGGGATGGTGTGGCTAT
ATTTTGTCTCTATTAACCAAGAATATGCTGTGTCTGGGACTCAAGATCCTGGGAAGGATGCCTGCCAGG
GCGACAGTGGAGGAGCTCTCGTTTGCAACAAAAAGAGAAACACAGCCATTTGGTACCAGGTGGGCATTGT
CAGCTGGGGCATGGGCTGTGGCAAGAAGAATCTGCCAGGAGTATACCCAAGGTGTCACACTATGTGAGG
TGGATCAGCAAGCAGACAGCGAAGCGGGGAGGCCTTATATGTATGAGCAGAACCTGCGTGCCTTTGG
TGCTCTTTGCCGGGCTATCTTGTCTCTATATTTGTAATGTTTCTTCTAACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204747 representing NM_028525
 Red=Cloning site Green=Tags(s)

MKRWKDRRTGLLLPLVLLLFGACSSLAWVCGRRMSSRSQQLNNASAIVEGKPASAIVGGKPANILEFPWH
 VGIMNHGSHLCGGGILNEWVLSASHCFDQLNNSKLEIIHGTEDLSTKGIKYQKVDKLFLLHPKFDDWLLD
 NDIALLLLKSPNLNLSVNRIPICTSEISDIQAWRNCWVTGWGITNTSEKGVQPTILQAVKVDLYRWDWCGY
 ILSLLTKNMLCAGTQDPGKDACQGDSSGALVCNKKRNTAIWYQVGI VSWGMGCGKKNLPGVYTKVSHYVR
 WISKQTAKAGRPYMYEQNSACPLVLSRAILFLYFVMFLLT

TRTRPLE - GFP Tag - V

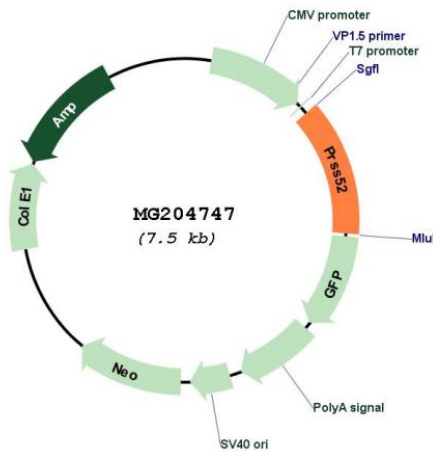
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_028525

ORF Size: 963 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_028525.2 , NP_082801.2
RefSeq Size:	1054 bp
RefSeq ORF:	966 bp
Locus ID:	73382
UniProt ID:	Q9D9M0
Cytogenetics:	14 D1
Gene Summary:	Probable serine protease.[UniProtKB/Swiss-Prot Function]