

Product datasheet for **RN201644**

Tmprss9 (NM_001047100) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmprss9 (NM_001047100) Rat Untagged Clone
Tag: Tag Free
Symbol: Tmprss9
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN201644 representing NM_001047100
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCAGCGGCACCAGACTTACAACCTGTGCCAGAGGTGACGAAGGGTGTCCCGTCCCCACTCCTG
ACTCTGGCTGTTGTCGAGCCGCTGTCACCACAGTGGTGGCCATCAGCGTGGCCAGCCTCACCTAGGAGT
CCTTTTCAGCCTTCTCTCTGCACAGGGTGTCCAGGTGGAGCACACGGCGCAGCTACATGGGGTCCGTTTC
ACCAGCCTTTTGCAGCAGGAGAAGTCCGACTTCTACCGCCTGCTTACGCCTGCTCTGCAGACGCTGCTAC
ACTTTCTGCTCCGAGCCCTCCAGCCACTGAGCCTGGACCAGGAAGCAGACATCTTGCAGAAAGGAATCCA
GGCAAGGTTACAAGGACAAGGTCTTTCCCTGGCTGCCTACGGCACCATCACATCCGTGGAGCTGACAGGA
AGGTGTGAAGGTCCGGTGACCGAGAGGGACTTAAAGTCAGGCCACTGCCCGGGAATGCCTTCTCTCTGTC
AGAACAGTCAATGCGTGAGCAAAGAAAACCCGGAGTGTGACGACAGAGTGGACTGCTCTGATGGGTCTGA
CGAGGCTCAGTGTGACTGCGGCTGGCAGCCTGCCTGGAGATCAGCTGGAAGGATCGTGGGCGGAGCGGAG
GCGGCTCCGGGAGAGTCCCTTGGCAGGTGAGCCTCCGAGAGAATCACGAACACTTCTGCGGCGCCACCA
TCATCGGTGCCCGTGGTGTCTGCTGCCACTGCTTCAACGAATCCAGGACCCTGCGCAATGGGC
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GCCAACAACCACTGCTAAACCCACCGTTGCCCCACCCCTGCGCCACTGCACCCAGCACTGCGGCCAAG
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TGACCGCTGGTGTCTCCGCTGCCACTGTTTCAACCACACCAAACTGGAACAGGTGCAGGCGCACTTG



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GGCACCGTGTCCCTGCTGGGTGTGCGCGGGAGCCCCGTGAAGCTGGGGCTGCGAAGCGTGGCCCTGCACC
CCCCTACAACCCAGGAATCCTGGACTTTGACGTGGCCTTGTGGAGTTGGCCAGCCATTGGTCTTCAA
CAAGTACATCCAGCCAGTCTGTCTCCCGTGGCCATCCACAAGTCCCCGTGGGCCGGAAGTGTATGATC
TCGGGATGGGGCAACATGCAGGAGGGAAACGCCACCAAGCCCAGCATCTTGCAAGGCGCTGTGGGCA
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CCACACCTCCAGCACACGGCTCATCCCTAGCCAGCCCCCAACAACCACAGCTGCTGGCCTCATCCCAGAG
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TGTCTGCCAGGAGTACCACCACCAGGAGACAGACACCAGCACCAGGACCACTGTGTTCTCTCATCTGCC
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TGGCCCTGGCAAGTGAGCCTGTGGCTGCGGCGCAGGGAGCACCGCTGTGGGGCGTACTGGTGGCCGAGA
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AACATCTACACGCTGGACTATGACGTGGCGCTGTGGAGCTGGCGGGCCCTGTGCCCGTAGCCGCTTGG
TGGCACCCATCTGCCTACCAGGTCCCCTCGTCCCTCTGAAGGCGCGCGTGTGTCACTGGCTGGGG
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ACATGTGCGCCGTTCTACCCGGTACAGATCAGCAGTCGTATGTTGTGCGCAGGCTTCCCGCAGGGTGGCG
TGGACAGCTGCTCGGGTATGCAGGGGGACCCCTGGCCTGCAGGGAGCCATCTGGCCAATGGGTGCTAAC
TGGGGTACCAGTTGGGGCTACGGCTGTGGCAGGGCCACTTCCCAGGTGTCTACACTCGAGTGGCTGCT
GTACTAGGATGGATAGGCCAGAATATCCGGGAA TGA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001047100
Insert Size:	3186 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001047100.2</u> , <u>NP_001040565.2</u>
RefSeq Size:	3341 bp
RefSeq ORF:	3186 bp

Locus ID:	314636
UniProt ID:	P69526
Cytogenetics:	7q11
Gene Summary:	Serase-1 and serase-2 are serine proteases that hydrolyze the peptides N-t-Boc-Gln-Ala-Arg-AMC and N-t-Boc-Gln-Gly-Arg-AMC. In contrast, N-t-Boc-Ala-Phe-Lys-AMC and N-t-Boc-Ala-Pro-Ala-AMC are not significantly hydrolyzed (By similarity).[UniProtKB/Swiss-Prot Function]