

Product datasheet for RR202044

Prss8 (NM_138836) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prss8 (NM_138836) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prss8
Synonyms:	CAP1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR202044 representing NM_138836 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCTAAGGGTGGGCTGGGACTTGGGCAGCTGGAAGCCCTGTTTATTCTGCTCCTATTGGATTGC
TCCAGTCAAGAATCGGAGCTGATGGGACTGAAGCTTCTGTGGTGCAGTCATCCAGCCACGCATCACAGG
TGGTGGCAGTGCGAAGCCTGGTCAATGGCCCTGGCAGGTCAGCATCACCTACAATGGCGTCCACGTTTGT
GGTGGGTCTCTCGTGTCAAATCAATGGGTGGTGTGAGCTGCTCACTGCTTCCCCAGAGAACACAGCAAGG
AAGAGTATGAGGTAAAGCTGGGGGCCACCAGCTGGACTCCTTCAGCAATGACATCGTGGTCCACACAGT
AGCTCAGATCATCTCCACTCGAGCTACCGTGAGGAGGGCTCCAGGGTGACATCGCGCTCATCCGCCTC
AGCAGCCCTGTCACCTTCTCCCGCTACATCAGACCCATCTGCCTCCCTGCAGCCAATGCCTCCTTTCCCA
ATGGCCTCCACTGTACTGTACAGGATGGGGTCAATGTGGCTCCTTCAGTGAGCCTCCAGACCCCTAGGCC
TCTGCAGCAGCTTGAGGTACCACTCATCAGCCGTGAAACCTGTAGCTGCCTGTACAACATTAATGCAGTG
CCTGAAGAACCCACACTATCCAGCAGGACATGCTGTGCGCTGGCTATGTTAAGGGAGGCAAGGATGCTT
GCCAGGGTGACTCTGGAGGCCACTCTTGTCCCATAGACGGCCTCTGGTATTTGGCAGGCATTGTGAG
TTGGGGTGATGCGTGTGGCGCCCCAACCGGCCTGGAGTATATACTCTGACTTCTACCTACGCTTCCTGG
ATCCACCACACGTGGCAGAGCTCCAGCCTCGCGCGTTCCCCAGACTCAGGAGTCCCAGCCGGACGGCC
ACCTCTGCAACCATCATCCTGTCTTCAACTTAGCCGACGCCAGAAATTGTCAAGGCCCATACTTTTCT
GCCACTGAGTCTGACCCTGGCCCTTCTCCCTTTGGCTTGAACAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202044 representing NM_138836
Red=Cloning site Green=Tags(s)

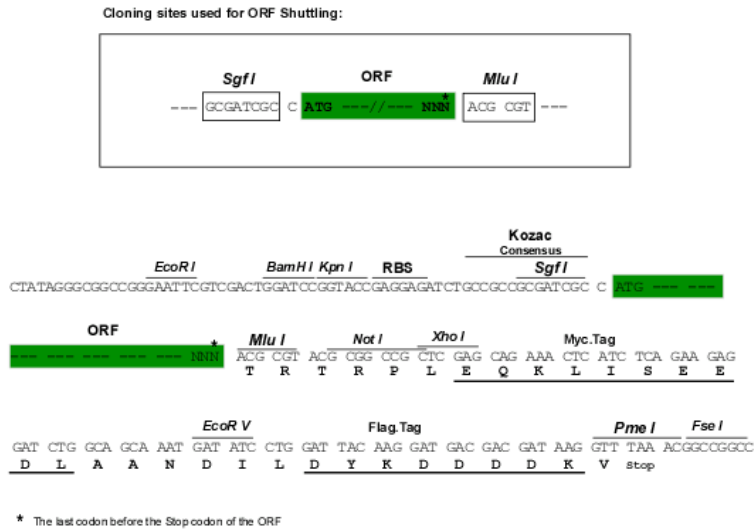
MALRVGLGLGQLEALFILLIIGLLQSRIGADGTEASCGAVIQPRITGGGSAKPGQWPWQVSITYNGVHVC
 GGSLVSNQWVVSAAHCFPREHSKEEYEVKLGALQDLSFNIDIVVHTVAQIISHSSYREEGSQGDIALIRL
 SSPVTFSTRYIRPICLPAANASFPNGLHCTVTGWGHVAPSVSLQTPRPLQQLEVPLISRETCSCLYNINAV
 PEEPHTIQQDMLCAGYVKGGKDACQGDSSGGLSCPIDGLWYLAGIVSWGACGAPNRPVYTLTSTYASW
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

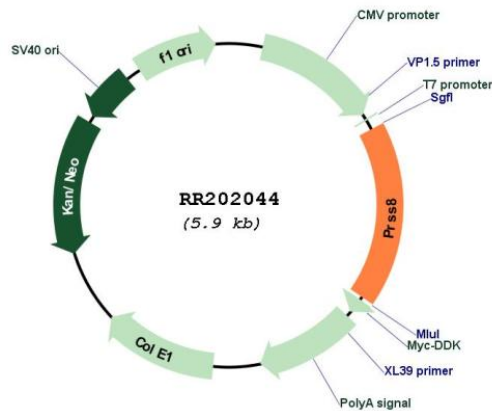
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_138836

ORF Size: 1026 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_138836.1 , NP_620191.1
RefSeq Size:	2208 bp
RefSeq ORF:	1029 bp
Locus ID:	192107
UniProt ID:	Q9ES87
Cytogenetics:	1q37
MW:	36.8 kDa
Gene Summary:	has serine protease activity; mediates increase in amiloride-sensitive sodium current from the epithelial sodium channel EnaC [RGD, Feb 2006]