

## Product datasheet for MR223227

### Prss8 (NM\_133351) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prss8 (NM_133351) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prss8
Synonyms:	2410039E18Rik; AI313909; C79772; CAP1; fr; mCAP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223227 representing NM_133351 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCTAAGGGTGGGCTGGGACTTGGGCAGCTGGAAGCTGTGACCATTCTGCTCCTTCTCGGATTGC  
TCCAGTCGGGAATCCGAGCTGACGGGACTGAAGCCTCCTGTGGTCCGTCATCCAGCCACGCATCACCGG  
TGGTGGCAGTGCAAAGCCCGTCACTGGCCCTGGCAGGTCAGCATCACCTACGATGGCAACCATGTTTGT  
GGCGGGTCGCTCGTGTCAAATAAATGGTGGTGTCTGCTGCTCACTGCTTCCCCAGAGAACACAGCAGGG  
AAGCGTATGAGGTGAAGCTGGGGGCCACCAGCTAGACTCCTACAGCAATGACACTGTGGTCCACACAGT  
GGCTCAGATCATCACCCACTCAAGCTACCGAGAAGAGGGCTCCCAGGGGGACATCGCGCTCATCCGCCTC  
AGCAGTCTGTCACTTCTCCCGCTACATCAGACCCATCTGCCTCCCTGCAGCCAATGCCTCCTTTCCCA  
ACGGCCTTCACTGTAAGTGTACGGGATGGGGTCACTGTGGCTCCTCAGTGAGCCTCCAGACCCCTAGGCC  
TCTGCAGCAGCTCGAGGTACCCTCATCAGCCGGGAAACCTGTAGCTGCCTGTACAACATTAATGCGGTG  
CCTGAAGAACCGCACACTATCCAGCAGGACATGCTGTGTGCTGGCTATGTGAAGGGAGGCAAGGATGCCT  
GCCAGGGTGACTCTGGGGGCCACTCTCTTGTCCCATGGAGGGCATCTGGTACTTGGCAGGCATTGTGAG  
TTGGGGTGATGCCTGTGGTCCCCAACAGGCCGGAGTATACACTCTGACTTCTACCTATGCTTCTCTGG  
ATCCACCACCATGTGGCAGAGCTCCAGCCTCGAGTTGTCCCCAGACTCAGGAGTCCCAGCCGGATGGCC  
ACCTCTGCAACCATCATCTGTCTTCAGCTCAGCGGCAGCCCCGAAATTGTTAAGGCCGTACTTTTCTCT  
GCCACTTGGTCTGACCCTGGGCCTTGTCTTTGGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR223227 representing NM\_133351  
Red=Cloning site Green=Tags(s)

MALRVGLGLGQLEAVTILLLLGLLQSGIRADGTEASCGAVIQPRITGGGSAKPGQWPWQVSITYDGNHVC  
 GGSLVSNKVVVSAAHCFPREHSREAYEYKLGALQDSYNDTVVHTVAQIITHSSYREEGSQGDIALIRL  
 SSPVTFSTRYIRPICLPAANASFPNGLHCTVTGWGHVAPSVSLQTPRPLQQLEVPLISRETCSCLYNINAV  
 PEEPHTIQDMLCAGYVKGGKDACQGDSSGGLSCPMEGIWYLAGIVSWG DACGAPNRPGVYTLTSTYASW  
 IHHHVAELQPRVVPQTQESQPDGHL CNHHPVFSSAAAPKLLRPVLFPLGLTLGLLSLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_133351

**ORF Size:** 1017 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.

**RefSeq:** [NM\\_133351.3](#), [NP\\_579929.1](#)

**RefSeq Size:** 1874 bp

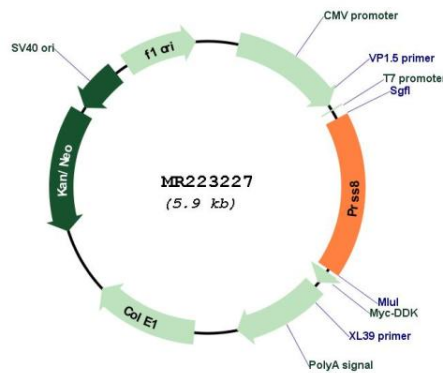
**RefSeq ORF:** 1020 bp

**Locus ID:** 76560

**Cytogenetics:** 7 69.84 cM

**MW:** 36.7 kDa

**Product images:**



Circular map for MR223227