

Product datasheet for RC237879

PRSS23 (NM_001293179) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRSS23 (NM_001293179) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PRSS23
Synonyms:	SIG13; SPUVE; ZSIG13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC237879 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGGGATTCCAGGGCTCCTCTTCTCTCTTTCTGCTCTGTGCTGTTGGGCAAGTGAGCCCTT
ACAGTGCCCCCTGGAAACCCACTTGGCCTGCATACCGCTCCCTGTCGTCTTGCCCCAGTCTACCCTCAA
TTTAGCCAAGCCAGACTTTGGAGCCGAAGCCAAATAGAAGTATCTTCTTCATGTGGACCCAGTGCAT
AAGGGAATCCACTGCCACTTACGAAGAGGCCAAGCAATATCTGTCTTATGAAACGCTCTATGCCAATG
GCAGCCGCACAGAGACGCAGGTGGCATCTACATCCTCAGCAGTAGTGGAGATGGGGCCCAACCCGAGA
CTCAGGGTCTTCAGGAAAGTCTCGAAGGAAGCGGCAGATTTATGGCTATGACAGCAGGTTACGATTTTT
GGGAAGGACTTCCTGCTCAACTACCCTTCTCAACATCAGTGAAGTTATCCACGGGCTGCACCGGCCCC
TGGTGGCAGAGAAGCATGTCCTCACAGCTGCCACTGCATACCGATGGAAAAACCTATGTGAAAGGAAC
CCAGAAGCTTCGAGTGGGCTTCTAAAGCCCAAGTTTAAAGATGGTGGTCGAGGGGCCAACGACTCCACT
TCAGCCATGCCCGAGCAGATGAAATTCAGTGGATCCGGGTGAAACGCACCCATGTGCCAAGGGTTGGA
TCAAGGCAATGCCAATGACATCGGCATGGATTATGATTATGCCCTCCTGGAACCAAAAAGCCCCACAA
GAGAAAAATTTAAGATTGGGGTGAGCCCTCTGCTAAGCAGCTGCCAGGGGCGAGAATCACTTCTCT
GGTTATGACAATGACCGACCGCAATTTGGTGTATCGCTTCTGTGACGTCAAAGACGAGACCTATGACT
TGCTTACCAGCAATGCGATGCCAGCCAGGGGCCAGCGGTCTGGGGTCTATGTGAGGATGTGGAAGAG
ACAGCAGCAGAAGTGGGAGCGAAAAATTATTGGCATTTTTTTCAGGGCACCAAGTGGGTGGACATGAATGGT
TCCCCACAGGATTTCAACGTGGCTGTCAGAATCACTCCTCTCAAATATGCCCAGATTTGCTATTGGATTA
AAGGAACTACCTGGATTGTAGGGAGGGG

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237879 protein sequence
Red=Cloning site Green=Tags(s)

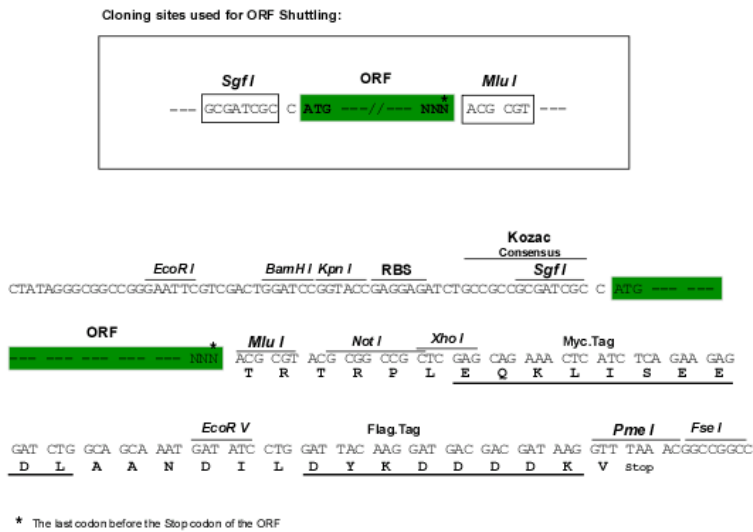
MAGIPGLLFLFFLLCAVGQVSPYSAPWKPTWPAYRLPVVLPQSTLNLAKPDFGAEAKLEVSSSCGPQCH
 KGTPLPITYEEAKQYLSYETLYANGSRTEQVGIYILSSSGDGAQHRDSGSSGKSRKRQIYGYDSRFSIF
 GKDFLLNYPFSTSVKLSGTGCTGLVAEKHVL TAAHCIHDGKTYVKGTKQLRVGFLKPKFKDGGRGANDST
 SAMPEQMKFQWIRVKRTHVPKGIKGNANDIGMDYDYLLELKKPHKRFKMKIGVSPPAKQLPGGRIHFS
 GYDNDRPGNLVYRFCDVKDETYDLLYQQCDAQPGASGSGVYVRMWRKQQQKWERKIIIGIFSGHQVWDMNG
 SPQDFNVAVRITPLKYAQICYWIKGNYLDCREG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6018_f10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001293179

ORF Size: 1149 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_001293179.2](#)

RefSeq Size: 4010 bp

RefSeq ORF: 1152 bp

Locus ID: 11098

UniProt ID: [O95084](#)

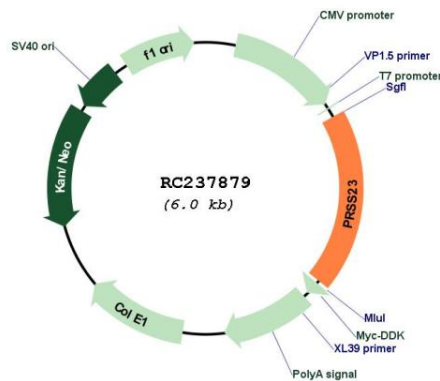
Cytogenetics: 11q14.2

Protein Families: Druggable Genome, Protease, Secreted Protein

MW: 43 kDa

Gene Summary: This gene encodes a conserved member of the trypsin family of serine proteases. Mouse studies found a decrease of mRNA levels of this gene after ovulation was induced. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]

Product images:



Circular map for RC237879