

Product datasheet for RC238194

PRSS23 (NM_001293178) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRSS23 (NM_001293178) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PRSS23
Synonyms:	SIG13; SPUVE; ZSIG13
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC238194 representing NM_001293178 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGCAGTGGGGCGGGCGGCTCCGCGCGGCTCCCGAGGCCGAGGGGGGGCGGGCCTCGGGT
GGCGCGGGGGCGGACCCGCCAGCTGCCTGCGCTGCTCGCCAGCTTGCTCGCACTCGGCTGTGCGCGGG
GCAGGCATGGGAGCCGCGGCTCTCTCCGCGGCCACACCTGTCTGAGCGGCGCAGCGAGCCGCGGCC
GGGCGGGCTGCTCGGCGCGGAACAGTGTCTCGGCATGGCAGGGATTCCAGGGCTCCTCTTCTTCTTCT
TTCTGCTCTGTGCTGTTGGGCAAGTGAGCCCTACAGTGCCCTGGAAACCACTTGGCCTGCATACCG
CCTCCCTGTCGTCTTGCCTCAGTCTACCCTCAATTTAGCCAAGCAATATCTGTCTATGAAACGCTCTAT
GCCAATGGCAGCCGCACAGAGACGCAGGTGGGCATCTACATCCTCAGCAGTAGTGGAGATGGGGCCCAAC
ACCGAGACTCAGGGTCTTCAGGAAAGTCTCGAAGGAAGCGGCAGATTTATGGCTATGACAGCAGGTTTCA
CATTTTTGGGAAGGACTTCTGCTCAACTACCCTTCTCAACATCAGTGAAGTTATCCACGGGCTGCACC
GGCACCTGGTGGCAGAGAAGCATGTCTCACAGCTGCCACTGCATACACGATGGAAACCTATGTGA
AAGGAACCCAGAAGCTTCGAGTGGGCTTCTAAAGCCCAAGTTTAAAGATGGTGGTGGAGGGCCCAACGA
CTCCACTTCAGCCATGCCCGAGCAGATGAAATTTCAAGTGGATCCGGGTGAAACGCCACCCATGTGCCAAG
GGTTGGATCAAGGCAATGCCAATGACATCGGCATGGATTATGATTATGCCCTCTGGAACCTCAAAAAGC
CCCACAAGAGAAAATTTATGAAGATTGGGGTGGCCCTCTGCTAAGCAGCTGCCAGGGGCGAGAATTCA
CTTCTCTGGTTATGACAATGACCGACCAGGCAATTTGGTGTATCGCTTCTGTGACGTCAAAGACGAGACC
TATGACTTGCTCTACCAGCAATGCGATGCCAGCCAGGGGCCAGCGGGTCTGGGGTCTATGTGAGGATGT
GGAAGAGACAGCAGCAGAAGTGGGAGCGAAAAATATTGGCATTTTTTCAGGGCACCAGTGGGTGGACAT
GAATGGTTCCCCACAGGATTTCAACGTGGCTGTCAGAATCACTCCTCTCAAATATGCCAGATTTGCTAT
TGGATTAAGGAAACTACCTGGATTGTAGGGAGGGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC238194 representing NM_001293178
 Red=Cloning site Green=Tags(s)

MCSGAGGVRAASPRPEAGRAGLGWRGGTRQLPALLASLLALGCAAGQAWEPRALSRPHLSERRSEPRP
 GRAARRGTVLGMAGIPGLLFLFFLLCAVGQVSPYSAPWKPTWPAYRLPVVLPQSTLNLAKQYLSYETLY
 ANGSRTETQVGIYILSSSGDGAQHRDSGSSGKSRKRQIYGYDSRFSIFGKDFLLNYPFSTSVKLGSTGCT
 GTLVAEKHVLTAAHCIHDGKTYVKGTKQLRVGFLKPKFKDGGRGANDSTSAMPEQMKFQWIRVKRTHVPK
 GWIKGNANDIGMDYDYLLELKKPHKRFKFKIGVSPPAKQLPGGRIHFSGYDNDRPGNLVYRFCDVKDET
 YDLLYQQCDAQPGASGSGYVVRMWRQKQKWERKIIIGIFSGHQWVDMNGSPQDFNVAVRITPLKYAICY
 WIKGNYLDCREG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

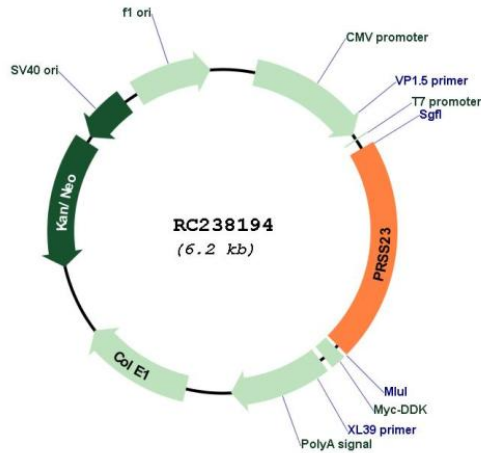
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001293178

ORF Size:	1296 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_001293178.1 , NP_001280107.1
RefSeq Size:	3919 bp
RefSeq ORF:	1299 bp
Locus ID:	11098
UniProt ID:	O95084
Cytogenetics:	11q14.2
Protein Families:	Druggable Genome, Protease, Secreted Protein
MW:	48.5 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]