

Product datasheet for **RC237974**

GCET1 (SERPINA9) (NM_001284275) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GCET1 (SERPINA9) (NM_001284275) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SERPINA9
Synonyms:	GCET1; SERPINA11; SERPINA11b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237974 representing NM_001284275 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGATCAGCTGGAGGGAGAGGAGAGATTAAGTGAGGAGAGAGCTACAACCAAGTAAGCAAGTGCAG
GGCTCACCAACCATGCAAGGACAGGGCAGGAGAAGAGGAACCTGCAAAGGCTGGTTTTGGAGACCCCGAG
TCAGAACATCTTCTTCTCCCCTGTGAGTGTCTCCACTTCCCTGGCCATGCTCTCCCTGGGGCCACTCA
GTCACCAAGACCCAGATTCTCCAGGGCCTGGGCTTCAACCTCACACACACCAGAGTCTGCCATCCACC
AGGGCTTCCAGCACCTGGTTCACTCACTGACTGTTCCAGCAAAGACCTGACCTTGAAGATGGGAAGTGC
CCTCTTCGTCAAGAAGGAGCTGCAGCTGCAGGCAAATTTCTTGGGCAATGTCAAGAGGCTGTATGAAGCA
GAAGTCTTTTCTACAGATTTCTCCAACCCTCCATTGCCAGGCGAGGATCAACAGCCATGTGAAAAAGA
AGACCCAAGGGAAGTTGTAGACATAATCCAAGGCCTTGACCTTCTGACGGCCATGGTTCTGGTGAACCA
CATTTTCTTTAAAGCCAAGTGGGAGAAGCCCTTACCCTGAATATACAAGAAAGAACTTCCCATTCCCTG
GTGGGCGAGCAGGTCACGTGTCATGTCCCATGATGCACCAGAAAGAGCAGTTCGCTTTTGGGGTGGATA
CAGAGCTGAAGTCTTTGTGCTGCAGATGGATTACAAGGAGATGCCGTGGCCTTCTTTGCTCCCTAG
CAAGGGCAAGATGAGGCAACTGGAACAGGCCTTGTGAGCCAGAACTGAGAAAGTGGAGCCACTCACTC
CAGAAAAGGTGGATAGAGGTGTTTCATCCCCAGATTTTCCATTTCTGCCTCTACAATCTGAAAACCATCC
TCCCGAAGATGGGCATCCAAAATGTCTTTGACAAAAATGCTGATTTTCTGGAATTGCAAAGAGAGACTC
CCTGCAGGTTTCTAAAGCAACCCACAAGGCTGTGCTGGATGTCAGTGAAGAGGGCACTGAGGCCACAGCA
GCTACCACCACCAAGTTCATAGTCCGATCGAAGGATGGCCCTTACTTCACTGTCTCTTCAATAGGA
CCTTCTGATGATGATTACAAATAAGCCACAGACGGTATTCTTTCTAGGGAAAGTGGAAAATCCAC
TAAATCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237974 representing NM_001284275
 Red=Cloning site Green=Tags(s)

MRSAGGRGEIKVRRELQPSKQVSGLTNHARTGQEKRNLRQLVLETSPQNIFFFSPVSVSTSLAML SLGAHS
 VTKTQILQGLGFNLTHTPESAIHQGFQHLVHSLTVPSKDLTLKMGSAFLVKKELQLQANFLGNVKRLYEAE
 EVFSTDFSNPSIAQARINSHVKKKTQGVVDIIQGLDLLTAMVLVNHIFFKAKWEKPFHPPEYTRKNFPFL
 VGEQVTVHVPMMHQKEQFAFGVDTELNCFVLQMDYKGDVAFFVLPSPKGMRQLEQALSARTLRKWSHSL
 QKRWIEVFI PRFSISASYNLETILPKMGIQNVFDKNADFSGIAKRDSLQVSKATHKAVLDVSEEGTEATA
 ATTTKFI VRSKDGPSYFTVSNRFLMMITNKATDGILFLGKVENPTKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

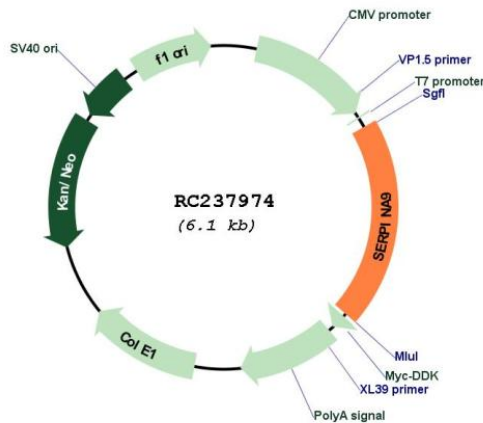
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001284275

ORF Size:	1197 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_001284275.1 , NP_001271204.1
RefSeq Size:	1661 bp
RefSeq ORF:	1014 bp
Locus ID:	327657
UniProt ID:	Q86WD7
Cytogenetics:	14q32.13
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
MW:	45.2 kDa
Gene Summary:	Protease inhibitor that inhibits trypsin and trypsin-like serine proteases (in vitro). Inhibits plasmin and thrombin with lower efficiency (in vitro).[UniProtKB/Swiss-Prot Function]