

Product datasheet for **RG214838**

GCET1 (SERPINA9) (NM_001042518) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GCET1 (SERPINA9) (NM_001042518) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SERPINA9
Synonyms:	GCET1; SERPINA11; SERPINA11b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214838 representing NM_001042518 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAGGACAGGGCAGGAGAAGAGGAACCTGCAAAGACATATTTTGTCCAAAATGGCATCTTACCTTT
ATGGAGTACTCTTTGCTGTTGGCCTCTGTGCTCCAATCTACTGTGTGCCCGGCCAATGCCCCAGTGC
ATACCCCGCCCTTCTCCACAAAGAGCACCCCTGCCTCACAGGTGTATCCCTCAACCCGACTTTGCC
TTCCGCCTATACCGCAGGCTGGTTTTGGAGACCCCGAGTCAGAACATCTTCTTCCCTGCGAGGATCA
ACAGCCATGTGAAAAGAAGACCCAAGGAAGGTTGTAGACATAATCCAAGGCCTTGACCTTCTGACGGC
CATGGTTCTGGTGAACCACATTTCTTTAAAGCCAAGTGGGAGAAGCCCTTTCACCTGAATATACAAGA
AAGAACTCCCATTCCTGGTGGCGAGCAGGTCCTGTGCATGTCCCATGATGCACCAGAAAGAGCAGT
TCGCTTTTGGGGTGGATACAGAGCTGAAGTCTTTGTGCTGCAGATGGATTACAAGGGAGATGCCGTGGC
CTTCTTTGTCCTCCCTAGCAAGGGCAAGATGAGGCAACTGGAACAGGCCTTGTCAGCCAGAACACTGAGA
AAGTGGAGCCACTCACTCCAGAAAAGGTGGATAGAGGTGTTTATCCCGAGATTTTCCATTTCTGCCTCT
ACAATCTGGAAACCATCCTCCGAAGATGGGCATCCAAAATGTCTTTGACAAAAATGCTGATTTTTCTGG
AATTGCAAAGAGAGACTCCCTGCAGTTTCTAAAGCAACCCACAAGGCTGTGCTGGATGTCAGTGAAGAG
GGCACTGAGGCCACAGCAGCTACCACCACCAAGTTCATAGTCCGATCGAAGGATGGCCCCCTTACTTCA
CTGTCTCCTTCAATAGGACCTTCTGATGATTACAAAATAAAGCCACAGACGGTATTCTCTTTCTAGG
GAAAGTGGAAAATCCCACTAAATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG214838 representing NM_001042518
 Red=Cloning site Green=Tags(s)

MQGQRRRGRTCKDIFCSKMASYLYGVLFVAVGLCAPIYCVSPANAPSAYPRPSSTKSTPASQVYSLNTDFA
 FRLYRRLVLETPSQNIFFSPARINSHVKKKTQGKVVDIIQGLDLLTAMVLVNHIFKAKWEKPFHPEYTR
 KNFPFLVGEQVTVHVPMMHQEQFAFGVDTELNCFVLQMDYKGDVAFFVLP SKGKMRQLEQALSARTLR
 KWSHSLQKRWIEVFIPRFSISASYNLETILPKMGIQNVFDKNADFSGIAKRDSLQVSKATHKAVLDVSEE
 GTEATAATTTKFIYRSKDGPSYFTVSNRFTLMMITNKATD GILFLGKVENPTKS

TRTRPLE - GFP Tag - V

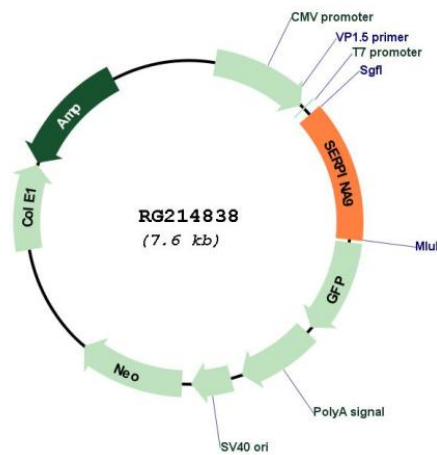
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001042518

ORF Size: 1005 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_001042518.1 , NP_001035983.1
RefSeq Size:	1551 bp
RefSeq ORF:	954 bp
Locus ID:	327657
UniProt ID:	Q86WD7
Cytogenetics:	14q32.13
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
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]