

## Product datasheet for **RG237974**

### 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:	TurboGFP
Symbol:	GCET1
Synonyms:	GCET1; SERPINA11; SERPINA11b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237974 representing NM_001284275. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGAGATCAGCTGGAGGGAGAGGAGAGATTAAGTGAGGAGAGAGCTACAACCAAGTAAGCAAGTGTCA
GGGCTACCAACCATGCAAGGACAGGGCAGGAGAAGAGGAACCTGCAAAGGCTGGTTTTGGAGACCCCG
AGTCAGAACATCTTCTTCCCTGTGAGTGTCTCCACTTCCCTGGCCATGCTCTCCCTGGGGCCAC
TCAGTCACCAAGACCCAGATTCTCCAGGGCCTGGGCTTCAACCTCACACACACCAGAGTCTGCCATC
CACCAGGGCTTCCAGCACCTGGTCACTCACTGACTGTTCCAGCAAAGACCTGACCTTGAAGATGGGA
AGTGCCCTCTTCGTAAGAAGGAGCTGCAGCTGCAGGCAAATTTCTTGGCAATGTCAAGAGGCTGTAT
GAAGCAGAAGTCTTTTCTACAGATTTCTCCAACCCCTCCATTGCCAGGGCAGGATCAACAGCCATGTG
AAAAAGAAGACCAAGGGGAAGTTGTAGACATAATCCAAGGCCTTGACCTTCTGACGGCCATGGTTCTG
GTGAACCACATTTTCTTTAAAGCCAAGTGGGAGAAGCCCTTTCACCCTGAATATACAAGAAAAGAACTTC
CCATTCTGGTGGGCGAGCAGGTCACTGTGCATGTCCCATGATGCACCAGAAAGAGCAGTTCGCTTTT
GGGGTGGATACAGAGCTGAAGTCTTTGTGCTGCAGATGGATTACAAGGGAGATGCCGTGGCCTTCTTT
GTCCTCCCTAGCAAGGGCAAGATGAGGCAACTGGAACAGGCCTTGTCAGCCAGAACAAGTGAAGTGG
AGCCACTCACTCCAGAAAAGTGGATAGAGGTGTTTCATCCCAGATTTTCCATTTCTGCCTCCTACAAT
CTGGAACCATCTCCGAAGATGGGCATCCAAAATGTCTTTGACAAAAATGCTGATTTTTCTGGAATT
GCAAAGAGAGACTCCCTGCAGTTTCTAAAGCAACCCACAAGGCTGTGCTGGATGTCAGTGAAGAGGGC
ACTGAGGCCACAGCAGCTACCACCACCAAGTTCATAGTCCGATCGAAGGATGGCCCTCTTACTTCACT
GTCTCCTTCAATAGGACCTTCTGATGATGATTACAAATAAAGCCACAGACGGTATTCTCTTTCTAGGG
AAAGTGGAAAATCCCACTAAATCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237974  
 Blue=ORF Red=Cloning site Green=Tag(s)

MRSAGGRGEIKVRRELQPSKQVSGLTNHARTGQEKRNLRQLVLETSPQNIFVSPVSVSTSLAML SLGAH  
 SVTKTQILQQLGFNLTHTPESAIHQGFQHLVHSLTVPSKDLTLKMGSA LFVKKELQLQANFLGNVKRLY  
 EAEVFSTDFSNPSIAQARINSHVKKKTQGVVDIIQGLDLLTAMVLVNHIFFKAKWEKPFHPEYTRKNF  
 PFLVGEQVTVHVPMMHQKEQFAFGVDTELCNCFVLQMDYKGDVAFFVLP SKGKMRQLEQALSARTLRKW  
 SHSLQKRWIEVFIPRFSISASYNLETILPKMGIQNVFDKNADFSGIAKRDSLQVSKATHKAVLDVSEEG  
 TEATAATTTKFI VRSKDGPSYFTVSFNRTFLMMITNKATDGILFLGKVENPTKS  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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.

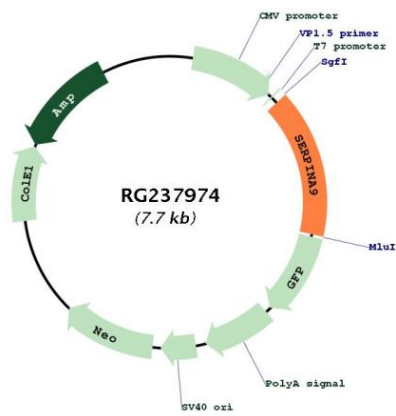
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**RefSeq:** [NM\\_001284275.1](#), [NP\\_001271204.1](#)

**RefSeq Size:** 1661 bp

RefSeq ORF:	1014 bp
Locus ID:	327657
UniProt ID:	<u><a href="#">Q86WD7</a></u>
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]

**Product images:**



Circular map for RG237974