

Product datasheet for SC311369

GCET1 (SERPINA9) (NM_001042518) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GCET1 (SERPINA9) (NM_001042518) Human Untagged Clone
Tag:	Tag Free
Symbol:	GCET1
Synonyms:	GCET1; SERPINA11; SERPINA11b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC311369 representing NM_001042518. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAAGGACAGGGCAGGAGAAGAGGAACCTGCAAAGACATATTTTGTCCAAAATGGCATCTTACCTT
TATGGAGTACTCTTTGCTGTTGGCCTCTGTGCTCCAATCTACTGTGTGTCCCGGCAATGCCCCAGT
GCATACCCCGCCCTTCTCCACAAAGAGCACCCTGCCTCACAGGTGTATTCCCTCAACACCGACTTT
GCCTTCCGCCTATACCGCAGGCTGGTTTTGGAGACCCCGAGTCAGAACATCTTCTTCTCCCTGCGAGG
ATCAACAGCCATGTAAAAAGAAGACCCAAGGGAAGTTGTAGACATAATCCAAGCCTTGACCTTCTG
ACGGCCATGGTTCTGGTGAACCACATTTCTTTAAAGCCAAGTGGGAGAAGCCCTTTCACCCTGAATAT
ACAAGAAAGAACTTCCCATTCTGGTGGGCGAGCAGGTCACTGTGCATGTCCCATGATGCACCAGAAA
GAGCAGTTCGCTTTTGGGGTGGATACAGAGCTGAACTGCTTTGTGCTGCAGATGGATTACAAGGGAGAT
GCCGTGGCCTTCTTTGTCTCCCTAGCAAGGGCAAGATGAGGCAACTGGAACAGGCCTTGTGAGCCAGA
ACACTGAGAAAGTGGAGCCACTCACTCCAGAAAAGGTGGATAGAGGTGTTTCATCCCAGATTTTCCATT
TCTGCCTCTACAATCTGGAAACCATCTCCCGAAGATGGGCATCCAAAATGTCTTTGACAAAAATGCT
GATTTTTCTGGAATTGCAAAGAGAGACTCCCTGCAGGTTTCTAAAGCAACCCACAAGGCTGTGCTGGAT
GTCAGTGAAGAGGGCACTGAGGCCACAGCAGCTACCACCACCAAGTTCATAGTCCGATCGAAGGATGGC
CCCTCTTACTTCACTGTCTCCTTCAATAGGACCTTCTGATGATTACAAATAAAGCCACAGACGGT
ATTCTTTCTAGGAAAAGTGGAAAATCCCACTAAATCCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001042518
Insert Size:	1008 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA
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:	<u>NM_001042518.1</u>
RefSeq Size:	1551 bp
RefSeq ORF:	1008 bp
Locus ID:	327657
UniProt ID:	<u>Q86WD7</u>
Cytogenetics:	14q32.13
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
MW:	37.8 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) is alternatively spliced in the 5' coding region and lacks an in-frame segment compared to variant 1. The resulting shorter isoform (B) lacks an internal protein segment compared to isoform A.</p>