

Product datasheet for TP303767

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

SERPING1 (NM_000062) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human serpin peptidase inhibitor, clade G (C1 inhibitor), member 1

(SERPING1), transcript variant 1, 20 μg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC203767 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MASRLTLLTLLLLLLAGDRASSNPNATSSSSQDPESLQDRGEGKVATTVISKMLFVEPILEVSSLPTTNS
TTNSATKITANTTDEPTTQPTTEPTTQPTIQPTQPTTQLPTDSPTQPTTGSFCPGPVTLCSDLESHSTEA
VLGDALVDFSLKLYHAFSAMKKVETNMAFSPFSIASLLTQVLLGAGENTKTNLESILSYPKDFTCVHQAL
KGFTTKGVTSVSQIFHSPDLAIRDTFVNASRTLYSSSPRVLSNNSDANLELINTWVAKNTNNKISRLLDS
LPSDTRLVLLNAIYLSAKWKTTFDPKKTRMEPFHFKNSVIKVPMMNSKKYPVAHFIDQTLKAKVGQLQLS
HNLSLVILVPQNLKHRLEDMEQALSPSVFKAIMEKLEMSKFQPTLLTLPRIKVTTSQDMLSIMEKLEFFD
FSYDLNLCGLTEDPDLQVSAMQHQTVLELTETGVEAAAASAISVARTLLVFEVQQPFLFMLWDQQHKFPV
FMGRVYDPRA

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Tag: C-Myc/DDK

Predicted MW:

Concentration: >0.05 µg/µL as determined by microplate BCA method

52.8 kDa

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.





SERPING1 (NM_000062) Human Recombinant Protein - TP303767

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 000053

Locus ID: 710

UniProt ID: <u>P05155</u>, <u>E9KL26</u>

RefSeq Size: 1984 Cytogenetics: 11q12.1 RefSeq ORF: 1500

Synonyms: C1IN; C1INH; C1NH; HAE1; HAE2

Summary: This gene encodes a highly glycosylated plasma protein involved in the regulation of the

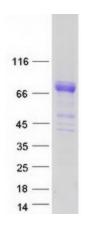
complement cascade. Its encoded protein, C1 inhibitor, inhibits activated C1r and C1s of the first complement component and thus regulates complement activation. It is synthesized in the liver, and its deficiency is associated with hereditary angioneurotic oedema (HANE). Alternative splicing results in multiple transcript variants encoding the same isoform.

[provided by RefSeq, May 2020]

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Complement and coagulation cascades

Product images:



Coomassie blue staining of purified SERPING1 protein (Cat# TP303767). The protein was produced from HEK293T cells transfected with SERPING1 cDNA clone (Cat# [RC203767]) using MegaTran 2.0 (Cat# [TT210002]).