

Product datasheet for TP303767

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

MASRLTLLTLLLLLAGDRASSNPATSSSSQDPESLQDRGEGKVATTVISKMLFVEPILEVSSLPTTNS
TTNSATKITANTTDEPTTQPTTEPTTQPTIQPTQPTTQLPTDSPTQPTTGSFCPGPVTLCSDLSEHSTEA
VLGDALVDFSLKLYHAFSAMKKVETNMAFSPFSIASLLTQVLLGAGENTKTNLESILSYPKDFTCVHQAL
KGFTTKGVTSVSQIFHSPDLAIRDTFVNASRTLYSSSPRVLSNNSDANLELINTWVAKNTNKNISRLDLS
LPSDTRLVLLNAIYLSAKWKTFDPKKTRMEPFHFKNSVIKVPMMNSKKYPVAHFIDQTLKAKVGLQLS
HNLSLVILVPQNLKHRLEDMEQALSPSVFKAIMEKLEMSKFQPTLLLPRIKVTTSDMLSIMKLEFFD
FSYDLNLCGLTEDPDLQVSAMQHQTVLELTETGVEAAAASAI SVARTLLVFEVQQPFLFMLWDQQHKFPV
FMGRVYDPRA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	52.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
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.



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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:	P05155 , E9KL26
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]).