

## Product datasheet for **AR50838PU-N**

### SERPING1 / C1 Inhibitor (23-500, His-tag) Human Protein

#### Product data:

|  |   |
|--|---|
| <b>Product Type:</b>                         | Recombinant Proteins  |
| <b>Description:</b>                          | SERPING1 / C1 Inhibitor (23-500, His-tag) human recombinant protein, 0.5 mg   |
| <b>Species:</b>                              | Human   |
| <b>Expression Host:</b>                      | E. coli   |
| <b>Expression cDNA Clone or AA Sequence:</b> | MGSSHHHHHH SSGLVPRGSH MNP NATSSSS QDPESLQDRG EGKVATTVIS KMLFVEPILE<br>VSSLPTTNST TNSATKITAN TTDEPTTQPT TEPTTQPTIQ PTQPTTQLPT DSPTQPTTGS FCPGPVTLCS<br>DLESHSTEAV LGDALVDFSL KLYHAFSAMK KVETNMAFSP FSIALLLTQV LLGAGENTKT NLESILSYPK<br>DFTCVHQALK GFTTKGVTSV SQIFHSPDLA IRDTFVNASR TLYSSSPRVL SNNSDANLEL<br>INTWVAKNTN NKISRLDSL PSDTRLVLLN AIYLSAKWKT TFDPKKTRME PFHFKNSVIK<br>VPMMNSKKYP VAHFIDQTLK AKVGLQLSH NLSLVILVPQ NLKHRLEDME QALSPSVFKA<br>IMEKLEMSKF QPTLLLPRI KVTTSQDMLS IMEKLEFFDF SYDLNLCGLT EDPDLQVSAM<br>QHQTVLELTE TGVEAAAASA ISVARTLLVF EVQQPFLFVL WDQQHKFPVF MGRVYDPRA |
| <b>Tag:</b>                                  | His-tag   |
| <b>Predicted MW:</b>                         | 55.1 kDa  |
| <b>Concentration:</b>                        | lot specific  |
| <b>Purity:</b>                               | >90% by SDS - PAGE  |
| <b>Buffer:</b>                               | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol  |
| <b>Preparation:</b>                          | Liquid purified protein   |
| <b>Protein Description:</b>                  | Recombinant human SERPING1 protein, fused to His-tag at N-terminus, was expressed in E.coli.  |
| <b>Storage:</b>                              | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.<br>Avoid repeated freezing and thawing.  |
| <b>Stability:</b>                            | Shelf life: one year from despatch.   |
| <b>RefSeq:</b>                               | <a href="#">NP_000053</a>   |
| <b>Locus ID:</b>                             | 710   |
| <b>UniProt ID:</b>                           | <a href="#">P05155</a> , <a href="#">E9KL26</a>   |



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Cytogenetics: 11q12.1

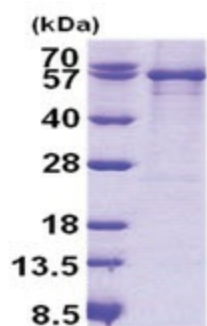
Synonyms: C1IN; C1INH; C1NH; HAE1; HAE2

**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:



15% SDS-PAGE (3ug)