

## Product datasheet for **TP720444XL**

### **SERPING1 (NM\_000062) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human serpin peptidase inhibitor, clade G (C1 inhibitor), member 1 (SERPING1), transcript variant 1
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293
<b>Expression cDNA Clone or AA Sequence:</b>	Asn23-Ala500
<b>Tag:</b>	C-His
<b>Predicted MW:</b>	53.9 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
<b>Endotoxin:</b>	< 0.1 EU per µg protein as determined by LAL test
<b>Reconstitution Method:</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH <sub>2</sub> O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
<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>
<b>Cytogenetics:</b>	11q12.1
<b>Synonyms:</b>	C1IN; C1INH; C1NH; HAE1; HAE2



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**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:**