

## Product datasheet for **TP720727L**

### **Kallistatin (SERPINA4) (NM\_006215) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 4 (SERPINA4)
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293
<b>Expression cDNA Clone or AA Sequence:</b>	Gln21-Pro427
<b>Tag:</b>	C-His
<b>Predicted MW:</b>	47.1 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>	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
<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_006206</a>
<b>Locus ID:</b>	5267
<b>UniProt ID:</b>	<a href="#">P29622</a> , <a href="#">A0A024R6I9</a>
<b>RefSeq Size:</b>	1700
<b>Cytogenetics:</b>	14q32.13
<b>RefSeq ORF:</b>	1281
<b>Synonyms:</b>	KAL; kallistatin; KLST; KST; PI-4; PI4



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**Summary:** Inhibits human amidolytic and kininogenase activities of tissue kallikrein. Inhibition is achieved by formation of an equimolar, heat- and SDS-stable complex between the inhibitor and the enzyme, and generation of a small C-terminal fragment of the inhibitor due to cleavage at the reactive site by tissue kallikrein.[UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome, Secreted Protein