

## Product datasheet for **TP720727**

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 4 (SERPINA4)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Gln21-Pro427
Tag:	C-His
Predicted MW:	47.1 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 um filtered solution of 50mM TrisHCl, 150mM NaCl, 10mM NaCl, pH 8.0.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Reconstitution Method:	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.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_006206</a>
Locus ID:	5267
UniProt ID:	<a href="#">P29622</a> , <a href="#">A0A024R6I9</a>
RefSeq Size:	1700
Cytogenetics:	14q32.13



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<b>RefSeq ORF:</b>	1281
<b>Synonyms:</b>	KAL; kallistatin; KLST; KST; PI-4; PI4
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Secreted Protein