

Product datasheet for **TP720940L**

MASPIN (SERPINB5) (NM_002639) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human serpin peptidase inhibitor, clade B (ovalbumin), member 5 (SERPINB5)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Met1-Ser231
Tag:	tag free
Predicted MW:	25.7 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
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 ₂ 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:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_002630
Locus ID:	5268
UniProt ID:	P36952 , A0A024R2B6
RefSeq Size:	2558
Cytogenetics:	18q21.33
RefSeq ORF:	1125
Synonyms:	maspin; PI5



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- Summary:** Tumor suppressor. It blocks the growth, invasion, and metastatic properties of mammary tumors. As it does not undergo the S (stressed) to R (relaxed) conformational transition characteristic of active serpins, it exhibits no serine protease inhibitory activity.
[UniProtKB/Swiss-Prot Function]
- Protein Families:** Druggable Genome, Secreted Protein
- Protein Pathways:** p53 signaling pathway