

## Product datasheet for **TP720940**

### 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 <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:                              | Store at -80°C.   |
| Stability:                            | Stable for at least 6 months from date of receipt under proper storage and handling conditions.   |
| RefSeq:                               | <a href="#">NP_002630</a>   |
| Locus ID:                             | 5268  |
| UniProt ID:                           | <a href="#">P36952</a> , <a href="#">A0A024R2B6</a>   |
| RefSeq Size:                          | 2558  |
| Cytogenetics:                         | 18q21.33  |
| RefSeq ORF:                           | 1125  |
| Synonyms:                             | maspin; PI5   |



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|--------------------------|--|
| <b>Summary:</b>          | 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.<br>[UniProtKB/Swiss-Prot Function] |
| <b>Protein Families:</b> | Druggable Genome, Secreted Protein   |
| <b>Protein Pathways:</b> | p53 signaling pathway  |