

## Product datasheet for **TP720554L**

### **SERPINB6 (NM\_004568) Human Recombinant Protein**

#### **Product data:**

|  |   |
|--|---|
| <b>Product Type:</b>                         | Recombinant Proteins  |
| <b>Description:</b>                          | Recombinant protein of human serpin peptidase inhibitor, clade B (ovalbumin), member 6 (SERPINB6)   |
| <b>Species:</b>                              | Human   |
| <b>Expression Host:</b>                      | E. coli   |
| <b>Expression cDNA Clone or AA Sequence:</b> | Met1-Pro376   |
| <b>Tag:</b>                                  | N-Trx&His   |
| <b>Predicted MW:</b>                         | 60.7 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_004559</a>   |
| <b>Locus ID:</b>                             | 5269  |
| <b>UniProt ID:</b>                           | <a href="#">P35237</a> , <a href="#">A0A024QZX3</a>   |
| <b>Cytogenetics:</b>                         | 6p25.2  |
| <b>Synonyms:</b>                             | CAP; DFNB91; MSTP057; PI-6; PI6; PTI; SPI3  |



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**Summary:**

The protein encoded by this gene is a member of the serpin (serine proteinase inhibitor) superfamily, and ovalbumin(ov)-serpin subfamily. It was originally discovered as a placental thrombin inhibitor. The mouse homolog was found to be expressed in the hair cells of the inner ear. Mutations in this gene are associated with nonsyndromic progressive hearing loss, suggesting that this serpin plays an important role in the inner ear in the protection against leakage of lysosomal content during stress, and that loss of this protection results in cell death and sensorineural hearing loss. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2010]

**Protein Families:**

Druggable Genome

**Product images:**