



# Recombinant Human Serpin I2 (SERPINI2)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP021090HU  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | O75830  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | ≥85% (SDS-PAGE)   |
| <b>Sequence</b>          | SR CSAQKNTEFA VDLYQEVSL S HKDNIIFSPL GITLVLEMVQ LGAKGKAQQQ<br>IRQTLKQQET SAGEEFFVLK SFFSAISEKK QEFTFNLANA LYLQEGFTVK<br>EQYLHGNKEF FQSAIKLVDF QDAKACAEMI STWVERKTDG KIKDMFSGEE<br>FGPLTRLVLV NAIYFKGDWK QKFRKEDTQL INFTKKNGST VKIPMMKALL<br>RTKYGYFSES SLNYQVLELS YKGDEFSLII ILPAEGMDIE EVEKLITAAQ<br>ILKWLSEMQE EEVEISLPRF KVEQKVDFKD VLYSLNITEI FSGGCDLSGI<br>TDSSEVYVSQ VTQKVFFEIN EDGSEAATST GIHIPVIMSL AQSQFIANHP<br>FLFIMKHNPT ESILFMGRVT NPDTQEIKGR DLDSL  |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | SERPINI2  |
| <b>Protein Names</b>     | Recommended name: Serpin I2 Alternative name(s): Myoepithelium-derived serine protease inhibitor Pancpin Pancreas-specific protein TSA2004 Peptidase inhibitor 14 Short name= PI-14   |
| <b>Expression Region</b> | 19-405  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full Length of Mature Protein   |
| <b>Target Details</b>    | This protein is a member of the serine protease inhibitor (serpin) superfamily made up of proteins which play central roles in the regulation of a wide variety of physiological processes, including coagulation, fibrinolysis, development, malignancy and inflammation. The gene product may have a role in a growth-control, possibly growth-suppressing pathway and, when impaired, may be involved in pancreatic carcinogenesis. The protein is a member of the plasminogen activator inhibitor-1 family, a subset of the serpin superfamily whose members act as tissue-specific tPA inhibitors. Two alternatively spliced transcript variants encoding distinct protein isoforms have been found for this gene. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.   |



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.