

## 32-8479: Recombinant Human Serpin I2 (C-6His)

**Gene :** SERPINI2

**Gene ID :** 5276

**Uniprot ID :** O75830

### Description

Source: Human Cells.

MW :45.1kD.

Recombinant Human Serpin I2 is produced by our Mammalian expression system and the target gene encoding Ser19-Leu405 is expressed with a 6His tag at the C-terminus. SERPINI2 is a secreted protein of the serpin family. Serpins are a group of proteins with similar structures that were first identified as a set of proteins able to inhibit proteases. As protease inhibitors, serpins have an array of functions including regulating blood coagulation, fibrinolysis, the complement pathway, angiogenesis, inflammation, tumor suppression, extracellular matrix remodeling, and cell motility. SERPINI2 is expressed in human tissues including pancreas and adipose tissues. Mutations of human SERPINI2 can directly result in conditions such as acinar cell apoptosis and malabsorption.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

**Storage condition :** 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.

**Amino Acid :** SRCSAQKNTEFAVDLYQEVSLSHKDNIIIFSPLGITLVLEMVQLGAKGKAQQQIRQTLKQQETSAGEEFFVLKSFF  
SAISEKKQEFTFNLANALYLQEGFTVKEQYLHGNKEFFQSAIKLVDFQDAKACAEMISTWVERKTDGKIKDMFS  
GEEFGPLTRLVLVNAIYFKGDWKQKFRKEDTQLINFTKKNGSTVKIPMMKALLRTKYGYFSESSLNYQVLELSYK  
GDEFSLIILPAEGMDIEVEKLITAAQILKWLSEMQEEVEISLPRFKVEQKVDKDVLYSLNITEIFSGGCDLSGIT  
DSSEVYVSQVTQKVFFEINEDGSEAAATSTGIHIPVIMSLAQSQFIANHPFLFIMKHNPTEISILFMGRVTNPDTQEIK  
GRDLDSLVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.