

## 32-8474: Recombinant Human Serpin B12/SERPINB12 (C-6His)

**Gene :** SERPINB12

**Gene ID :** 89777

**Uniprot ID :** Q96P63

### Description

Source: Human Cells.

MW :49.5kD.

Recombinant Human Serpin B12 is produced by our Mammalian expression system and the target gene encoding Met1-Pro425 is expressed with a 6His tag at the C-terminus. Serpin B12 is a member of the serpin family. Serpins are the largest and most diverse family of serine protease inhibitors. Most serpins are secreted and attain physiologic concentrations in the blood and extracellular fluids. Serpin B12 is expressed in many tissues, including brain, bone marrow, lymph node, heart, lung, liver, pancreas, testis, ovary, and intestine. Serpins are involved in a number of fundamental biological processes such as blood coagulation, complement activation, fibrinolysis, angiogenesis, inflammation and tumor suppression and are expressed in a cell-specific manner. SerpinB12 inhibits trypsin and plasmin, but not thrombin, coagulation factor Xa, or urokinase-type plasminogen activator.

### 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 :** MDSLVTANTKFCFDLFEIGKDDRHKNIFFSPLSLSAALGMVRLGARSDSAHQIDEVLHFNEFSQNESKEPDPC  
LKSNKQKVLADSSLEGQKKTTEPLDQQAGSLNNEGLVSCYFGQLLSKLDRIKTDYTLSIANRLYGEQEFPICQE  
YLDGVIQFYHTTIESVDFQKNPEKSRQEINFWVECQSQGKIKELFSKDAINAETVLVLVNAVYFKAKWETYFDHE  
NTVDAPFCLNANENKSVKMMTQKGLYRIGFIEVKAQILEMRYTKGKLSMFVLLPSHSDNLKGLEELERKITYE  
KMVAWSSSENMSSESVVLSFPRFTLESDYDLNSILQDMGITDIFDETRADLTGISPSPNLYLSKIIHKTFVEVDEN  
GTQAAAATGAVVSERSLRSWVEFNANHPFLFFIRHNKTQTILFYGRVCSVPDHHHHHH

### Application Note

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