

## 32-8080: Recombinant Human Serpin B6/Placental Thrombin Inhibitor (N-Trx, 6His)

**Gene :** SERPINB6

**Gene ID :** 5269

**Uniprot ID :** P35237

### Description

Source: E.coli.

MW :60.7kD.

Recombinant Human Serpin B6/placental thrombin inhibitor is produced by our E.coli expression system and the target gene encoding Met1-Pro376 is expressed with a Trx, 6His tag at the N-terminus. Serpin B6 belongs to the serpin family. Serpin B6 localizes to the cytoplasm. Serpin B6 is expressed in many tissues, abundantly by mast cells in different tissues and mastocytoma lesions. Serpin B6 may be involved in the regulation of serine proteinases present in the brain or extravasated from the blood. In addition, Serpin B6 may play an important role in the inner ear in the protection against leakage of lysosomal content during stress and loss of this protection results in cell death and sensorineural hearing loss.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

**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 :** MSDKIIHLTDDSFDTDLVKADGAILVDFWAEWCGPCKMIAPILDEIADEYQGKLTVAKLNIDQNPGTAPKYGIRGIPTLLLFKNGEVAATKVGALSKGQLKEFLDANLAGSGSGHMHSHSSGLVPRGSGMKETAAAKFERQHMDSPDLGTDDDDKAMADIGSEFHMDVLAANGTFALNLLKTLGKDNSKNVFFSPMSMSCALAMVYMGAKGNTAAQMAQILSFNKSGGGGDIHQGFQSLTEVNKTGTQYLLRVANRLFGEKSCDFLSSFRDSCQKFYQAEMEELDFISAVEKSRKHINTWVAEKTEGKIAELLSPGSVDPLTRLVLVNAVYFRGNWDEQFDKENTEERLFKVSKNEEKPVQMMFKQSTFKKTYIGEFTQILVLPYVGKELNMIIMLPDETDLRTVEKELTYEKFVEWTRLDMMDEEEVEVSLPRFKLEESYDMESVLRNLGMTDAFELGKADFSGMSQTDLSLSKVVHKSFVEVNEEGTEAAAATAAIMMMRCARFVPRFCADHPFLFFIQHSTNGILFCGRFSSP

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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