

## Recombinant Human SERPINB6 Protein

Catalog #	Source	Reactivity	Applications
CRP2283	E. coli	Human	E, WB, SDS-PAGE, MS

**Description** Recombinant Human SERPINB6 Protein 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.

**Form** Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

**Gene Symbol** SERPINB6

**Alternative Names** PI6; PTI; Serpin B6; Cytoplasmic antiproteinase; CAP; Peptidase inhibitor 6; PI-6; Placental thrombin inhibitor

**Entrez Gene** 5269 (Human)

**SwissProt** P35237 (Human)

**Purity** Greater than 95% as determined by reducing SDS-PAGE.

**Chemical Structure** MSDKIIHLTD DSFDTDVLKA DGAILVDFWA EWCGPCKMIA PILDEIADEY QGKLTVAKLN  
 IDQNPGTAPK YGIRGIPTLL LFKNGEVAAT KVGALSKGQL KEFLDANLAG SGSGHMHHHH  
 HHSSGLVPRG SGMKETAALK FERQHMDSPD LGTDDDDKAM ADIGSEFHMD  
 VLAEANGTFA LNLKTLGKD NSKNVFFSPM SMSCALAMVY MGAKGNTAAQ  
 MAQILSFNKS GGGGDIHQGF QSLLTEVNKT GTQYLLRVAN RLFGEKSCDF LSSFRDSCQK  
 FYQAEMEELD FISAVEKSRK HINTWVAEKT EGKIAELLSP GSVDPLTRLV LVNAVYFRGN  
 WDEQFDKENT EERLFKVSKN EEKPVQMMFK QSTFKKTYIG EIFTQILVLP YVGKELNMII  
 MLPDETTDLR TVEKELTYEK FVEWTRLDMM DEEEVEVSLP RFKLEESYDM ESVLRNLGMT  
 DAFELGKADF SGMSQTDLSL SKVVHKSFVE VNEEGTEAAA ATAAIMMMRC ARFVPRFCAD  
 HPFLFFIQHS KTINGILFCGR FSSP

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

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

**Directions for Use** 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 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Storage/Stability** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

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