

Recombinant Human SERPINA3 Protein

Catalog #	Source	Reactivity	Applications
CRP2274	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human SERPINA3 Protein is produced by our Mammalian expression system and the target gene encoding His24-Ala423 is expressed with a 6His tag at the C-terminus.

Form Lyophilized from a 0.2 μM filtered solution of 20mM HEPES, 150mM NaCl, pH 7.5

Gene Symbol SERPINA3

Alternative Names AACT; Alpha-1-antichymotrypsin; ACT; Cell growth-inhibiting gene 24/25 protein; Serpin A3

Entrez Gene 12 (Human)

SwissProt P01011 (Human)

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

Chemical Structure HPNSPLDEEN LTQENQDRGT HVDLGLASAN VDFAFSLYKQ LVLKAPDKNV IFSPLSISTA
 LAFLSLGAHN TTLTEILKGL KFNLTETSEA EIHQSFQHLL RTLNQSSDEL QLSMGNAMFV
 KEQLSLLDRF TEDAKRLYGS EAFATDFQDS AAACKLINDY VKNGTRGKIT DLIKDLDSQT
 MMVLVNYIFF KAKWEMPFDP QDTHQSRFYI SKKKWVMVPM MSLHHLTIPY
 FRDEELSCTV VELRYTGNAS ALFILPDQDK MEEVEAMLLP ETLKRWRDSL EFREIGELYL
 PKFSISRDN LNDILLQLGI EEAFTSKADL SGITGARNLA VSQVVKAVL DVFEEGTEAS
 AATAVKITLL SALVETRTIV RFNRPFLMII VPTDTQNIFF MSKVTNPKQA VDHHHHHH

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

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

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

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.

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