

Recombinant Human SERPINA4 Protein

| Catalog # | Source | Reactivity | Applications |
|-----------|-------------|------------|---------------------|
| CRP2275 | Human cells | Human | E, WB, SDS-PAGE, MS |

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|---------------------------|---|
| Description | Recombinant Human SERPINA4 Protein is produced by our Mammalian expression system and the target gene encoding Gln21-Pro427 is expressed with a 6His tag at the C-terminus. |
| Form | Lyophilized from a 0.2 μ M filtered solution of 50mM Tris-HCl, 150mM NaCl, 10mM NaCl, pH 8.0. |
| Gene Symbol | SERPINA4 |
| Alternative Names | KST; PI4; Kallistatin; Kallikrein inhibitor; Peptidase inhibitor 4; PI-4; Serpin A4 |
| Entrez Gene | 5267 (Human) |
| SwissProt | P29622 (Human) |
| Purity | Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. |
| Chemical Structure | QLHVEHDGES CSNSSHQQL ETGEGSPSLK IAPANADFAF RFYLLIASET PGKNIFFSPL SISAAYAMLS LGACSHRSQ ILEGLGFNLT ELSESDVHRG FQHLLHTLNL PGHGLET RVG SALFLSHNLK FLAKFLNDTM AVYEAKLFHT NFYDTVGTIQ LINDHVKKET RGKIVDLVSE LKKDVLMLV NYIYFKALWE KPFISSRTP KDFYVDENTT VRVPMMLQDQ EHHWYLH DRY LPCSVLRMDY KGDATVFFIL PNQGKMREIE EVLTPEMLMR WNNLLRKRNF YKKLELHLPK FSISGSYVLD QILPRLGFTD LFSKWADLSG ITKQQKLEAS KSFHKATLDV DEAGTEAAAA TSFAIKFFSA QTNRHILRFN RPFLVVFST STQSVLFLGK VVDPTKPHHH HHH |
| Quality Control | Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) 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 μ g/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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