

Product Data Sheet

Recombinant Human Serpin A12 Protein

Catalog #	Source	Reactivity	Applications
CRP2813	Human cells	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human Serpin A12 Protein is produced by mammalian expression system and the target gene encoding Leu21-Lys414 is expressed with a 10His tag at the C-terminus.		
Form	Liquid in a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH7.5.		
Gene Symbol	SERPINA12		
Alternative Names	Serpin A12; OL-64; Visceral adipose tissue-derived serine protease inhibitor; Vaspin; Visceral adipose-specific serpin		
Entrez Gene	145264 (Human)		
SwissProt	Q8IW75 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	LKPSFSPRNY KALSEVQGWK QRMAAKELAR QNMDLGFKLL KKLAIFYNPGR NIFLSPLSIS TAFSMLCLGA QDSTLDEIKQ GFNFRKMPEK DLHEGFHYII HELTQKTQDL KLSIGNTLFI DQRLQPQRKF LEDAKNFYSA ETILT NFQNL EMAQKQINDF ISQKTHGKIN NLIENIDPGT VMLLANYIFF RARWKHEFDP NVTKEEDFFL EKNSSVKVPM MFRSGIYQVG YDDKLSCTIL EIPYQKNITA IFILPDEGKL KHLEKGLQVD TFSRWKTLLS RRVVDVSVPR LHMTGTFDLK KTLSYIGVSK IFEEHGDLTK IAPHRSLKVG EAVHKAELKM DERGTEGAAG TGAQTLPMET PLVVKIDKPY LLLIYSEKIP SVLFLGKIVN PIGKHHHHHH HHHH		
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. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

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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Storage/Stability

Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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