

## Recombinant Human SERPINA12 Protein

Catalog #	Source	Reactivity	Applications
CRP2272	E. coli	Human	E, WB, SDS-PAGE, MS

**Description** Recombinant Human SERPINA12 Protein is produced by our E.coli expression system and the target gene encoding Leu21-Lys414 is expressed with a GST tag at the N-terminus.

**Form** Liquid in a 0.2 µM filtered solution of 50mM Tris-HCl, 160mM NaCl, 0.2mM PMSF, 1mM DTT, 10% Glycerine, pH 7.2.

**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 SEC-HPLC and reducing SDS-PAGE.

**Chemical Structure** MSPILGYWKI KGLVQPTRLLEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID  
 GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV  
 DFSLKPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK  
 KRIEAIPIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD LVPRGSLKPS FSPRNYKALS  
 EVQGWKQRMA AKELARQNMD LGFKLLKLA FYNPGRNIFL SPLSISTAFS MLCLGAQDST  
 LDEIKQGFNF RKMPEKDLHE GFHYIIHELT QKTQDLKLSI GNTLFIDQRL QPQRKFLEDA  
 KNFYSAETIL TNFQNLEMAQ KQINDFISQK THGKINNLIE NIDPGTVMML ANYIFFRARW  
 KHEFDPNVTKEEDFFLEKNS SVKVPMMFRS GIYQVGYDDK LSCTILEIPY QKNITAIFIL  
 PDEGKLEHLE KGLQVDTFSR WKTLLSRRVV DVSVPRLHMT GTFDLKKTLS YIGVSKIFEE  
 HGDLTKIAPH RSLKVGEAVH KAEKMDERGTGAAGTGAQ TLPMETPLVV KIDKPYLLLI

**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

YSEKIPSVLF LGKIVNPIGK

**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. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Storage/Stability**

Store it at -20°C to -80°C for one year.

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