

Recombinant Human SERPINA12 Protein

Catalog #	Source	Reactivity	Applications
CRP2272	E. coli	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human SERPINA12 Protein is produced by 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	Serpine A12; OL-64; Visceral adipose tissue-derived serine protease inhibitor; Vaspin; Visceral adipose-specific serpin		
Entrez Gene	145264 (Human)		
SwissProt	Q8IWI75 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	MSPILGYWKI KGLVQPTRLI LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIPIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD LVPRGSLKPS FSPRNYKALS EVQGWKQRMMA AKELARQNMD LGFKLLKKLA FYNPGRNIFL SPLSISTAFS MLCLGAQDST LDEIKQGFNF RKMPEKDLHE GFHYIIHELT QKTQDLKLSI GNTLFIDQRL QPQRKFLEDA KNFYSAETIL TNFQNLMAQ KQINDFISQK THGKINNLI NIDPGTVMLL ANYIFFRARW KHEFDPNVTK EEDFFLEKNS SVKVPMMFRS GIYQVGYDDK LSCTILEIPY QKNITAIFIL PDEGKLKHLE KGLQVDTFSR WKTLLSRRVV DVSVPRLHMT GTFDLKKTLS YIGVSKIFEE HGDLTKIAPH RSLKVGEAVH KAEKMDERG TEGAAGTGAQ 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. 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.

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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