

Recombinant Human SERPINA12 protein

Cat. No. SERPINA12-987H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SERPINA12 protein was expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	394
Form	Lyophilized from a 0.2µm filtered concentrated solution in 20 mM Tris-HCl, pH 8.0, 150 mM NaCl, with 0.02 % Tween-20.
Molecular Mass	Approximately 45.1 kDa, a single non-glycosylated polypeptide chain containing 394 amino acids.
AA Sequence	LKPSFSPRNYKALSEVQGWKQRMAAKELARQNMDLGFKLLKCLAFYNPGRNIFLSP LSISTAFSMLCLGAQDSTLDEIKQGFNFRKMPEKDLHEGFHYIIHELTQKTQDLKLSIG NTLFIDQRLQPQRKFLEDAKNFYSAETILTNFQNLLEMAQKQINDFISQKTHGKINNLIE NIDPGTVMLLANIYFFRARWKHEFDPNVTKEEDFFLEKNSSVKVPMMFRRSGIYQVGY DDKLSCTILEIPYQKNITAIFILPDEGKLGKLEKGLQVDTFSRWKTLSSRRVVDVSVPR LHMTGTFDLKKTLSYIGVSKIFEEHGDLTKIAPHRSLKVGEAVHKAELKMDERGTGA AGTGAQTLPMETPLVVKIDKPYLLLIYSEKIPSVLFLGKIVNPIGK
Endotoxin	Less than 0.1 EU/µg of rHuVaspin as determined by LAL method.
Purity	>98% by SDS-PAGE and HPLC analysis.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name

[SERPINA12](#)

Official Symbol

[SERPINA12](#)

Synonyms

SERPINA12; serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 12; serine (or cysteine) proteinase inhibitor, clade A (alpha 1 antiproteinase, antitrypsin), member 12; serpin A12; OL 64; Vaspin; vaspin; visceral adipose-specific SERPIN; visceral adipose tissue-derived serine protease inhibitor; serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 12; OL-64;

Gene ID

[145264](#)

mRNA Refseq

[NM_173850](#)

Protein Refseq


[NP_776249](#)

MIM

[617471](#)

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UniProt ID

Q8IW75

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