

Active Recombinant Human SERPINA12 Full Length protein, His-tagged

Cat. No. SERPINA12-3931H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SERPINA12 protein(NP_776249.1)(Met1-Lys414), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Lys414
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to inhibit KLK7 cleavage the fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH2. The IC50 is <75 nM.
Molecular Mass	The recombinant human SERPINA12 consists of 405 amino acids and predicts a molecular mass of 46.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh SERPINA12 is approximately 50-55 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 97 % as determined by SDS-PAGE
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid

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repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name

SERPINA12 serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 12 [Homo sapiens]

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

UniProt ID

Q8IW75

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