

Active Recombinant Human SERPINB3 protein(Asn2-Pro390), His-tagged

Cat. No. SERPINB3-1335H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SERPINB3 (AAB20405.1) (Asn 2-Pro 390) was expressed in Insect Cells, with a polyhistidine tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	Asn2-Pro390
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 20% gly, 3mM DTT Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to inhibit active Cathepsin L cleavage of a fluorogenic peptide substrate Z-LR-AMC. The IC ₅₀ is < 5 nM.
Molecular Mass	The recombinant Human SERPINB3 consists of 408 amino acids and predicts a molecular mass of 46.7 kDa. It migrates as an approximately 43 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid 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 [SERPINB3 serpin peptidase inhibitor, clade B \(ovalbumin\), member 3 \[Homo sapiens \]](#)

Official Symbol [SERPINB3](#)

Synonyms SERPINB3; serpin peptidase inhibitor, clade B (ovalbumin), member 3; SCC, SCCA1, serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 3; serpin B3; HsT1196; T4 A; protein T4-A; squamous cell carcinoma antigen 1; serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 3; SCC; T4-A; SCCA1; SCCA-1; SCCA-PD;

Gene ID [6317](#)

mRNA Refseq [NM_006919](#)

Protein Refseq [NP_008850](#)

MIM [600517](#)

UniProt ID [P29508](#)

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