Acitve Recombinant Human SERPINB3 protein, His-tagged

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

SPECIFICATION

Product Overview	Acitve Recombinant Human SERPINB3 protein(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	2-390 aa
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 20% gly, 3mM DTT.
Bio-activity	Measured by its ability to inhibit active Cathepsin L cleavage of a fluorogenice ptide substrate Z-LR-AMC. The IC50 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	> 97 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

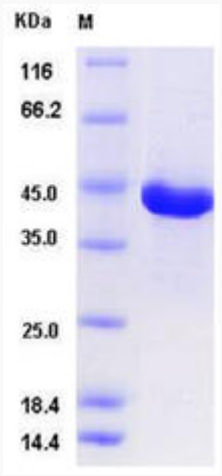
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

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

SDS-PAGE	

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