

## Recombinant Human SERPINB3 Protein (Met1-Ile210), His tagged

Cat. No. SERPINB3-6238H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant human SERPINB3 (Met1-Ile210) fused with His tag was expressed in E. coli.

**Species** Human

**Source** E.coli

**ProteinLength** Met1-Ile210

**Description** SERPINB3, also known as SCCA-1, belongs to the serpin family. Serpins are a group of proteins with similar structures that were first identified as a set of proteins able to inhibit proteases. The acronym serpin was originally coined because many serpins inhibit chymotrypsin-like serine proteases. SERPINB3 is expressed in some hepatocellular carcinoma (at protein level). Its expression is closely related to cellular differentiation in both normal and malignant squamous cells. It seems to also be secreted in plasma by cancerous cells but at a low level. SERPINB3 significantly attenuates apoptosis by contrasting cytochrome c release from the mitochondria and by antichemotactic effect for NK cells. It may act as a protease inhibitor to modulate the host immune response against tumor cells and may be involved in the malignant behavior of squamous cell carcinoma cells.

**Form** Lyophilized powder/frozen liquid

**Molecular Mass** 25.04 kDa

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<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Notes</b>	For research use only.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
<b>Storage Buffer</b>	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
<b>Reconstitution</b>	Reconstitute in sterile water for a stock solution.
<b>Shipping</b>	They are shipped out with dry ice/blue ice unless customers require otherwise.

## GENE INFORMATION

<b>Gene Name</b>	SERPINB3 serpin peptidase inhibitor, clade B (ovalbumin), member 3 [ Homo sapiens (human) ]
<b>Official Symbol</b>	SERPINB3
<b>Synonyms</b>	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;
<b>Gene ID</b>	6317
<b>mRNA Refseq</b>	NM_006919

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**Protein Refseq** NP\_008850

**MIM** 600517

**UniProt ID** P29508

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