

## Recombinant Human SERPINB3, His-tagged

Cat. No. SERPINB3-65H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human Squamous Cell Carcinoma Antigen 1, fused with C terminal His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Squamous cell carcinoma antigen (SCCA), a member of the serine protease inhibitor (serpin) family, is a subfraction of the tumor associated antigen TA-4, is a glycoprotein, with a molecular weight between 42 to 48 kDa. Total SCCA in the circulation comprises 2 nearly identical, approximately 45 kDa proteins, SCCA1 and SCCA2. Both proteins are members of the high-molecular weight serine proteinase inhibitor (serpin) family with SCCA1 paradoxically inhibiting lysosomal cysteine proteinases and SCCA2 inhibiting chymotrypsin-like serine proteinases. Although SCCA1 and SCCA2 are detected in the cytoplasm of normal squamous epithelial cells, neither serpin is detected normally in the serum.
<b>Form</b>	The protein solution is in 0.05M phosphate buffer containing 0.15M NaCl and 0.09% NaN <sub>3</sub> pH 7.5. Filtered through a 0.4µM membrane.
<b>Molecular Mass</b>	24.1kDa
<b>Endotoxin</b>	< 1.0 eu per µg of the protein as determined by the LAL method.
<b>Purity</b>	>95 % as determined by SDS-PAGE

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<b>Applications</b>	Western blotting, ELISA
<b>Storage</b>	Store it under sterile conditions at -20°C to -114°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	SERPINB3 serpin peptidase inhibitor, clade B (ovalbumin), member 3 [ Homo sapiens ]
<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
<b>Protein Refseq</b>	NP_008850
<b>MIM</b>	600517
<b>UniProt ID</b>	P29508
<b>Chromosome Location</b>	18q21.3

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<b>Pathway</b>	Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem;
<b>Function</b>	peptidase inhibitor activity; serine-type endopeptidase inhibitor activity;

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