

Serpin B3 Protein | SERPINB3 protein

Eukaryotic Serpin B3 (SERPINB3)

CATALOG # AAA150174	HOST 293F Cell	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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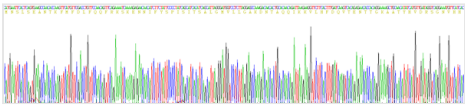
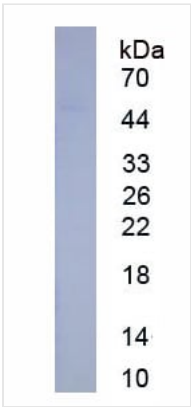
PRODUCT SYNONYMS

Serpin B3; Eukaryotic Serpin B3 (SERPINB3); SCCA1; T4-A; Serpin Peptidase Inhibitor; Clade B(ovalbumin); Member 3; SERPINB3 protein

PRODUCT SPECIFICATIONS

Host	293F Cell
Reactivity	Homo sapiens (Human)
Purity/Purification	> 97%
Form/Format	PBS, pH7.4, containing 5% Trehalose
Concentration	Original Concentration: 800ug/mL (varies by lot)
Applicable Applications for SERPINB3 protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Eukaryotic expression
Residues	Met1~Pro390
Tags	N-terminal His Tag
Subcellular Location	Cytoplasm
Traits	Freeze-dried powder
Predicted isoelectric point	6.4
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Gene Sequence
Gene Sequencing (extract)

SDS-PAGE

MNSLSEANTK FMFDLFQQR KSKENNIFYS PISITSALGM VLLGAKONTA
QQIKKVLHFD QVTENTTGKA ATYHVDRSGN VHHQFQKLLT EFNKSTDAYE
LKIANKLFGK KTYLFLQEYL DAIKKFYQTS VESVDFANAP EESRKKINSW
VESQTNEKIK NLIPEGNIGS NTTLLVLNAI YFKGQWEKKF NKEDTKEEF
WPNKNTYKSI QMMRQYTSFH FASLEDVQAK VLEIPYKGD LSMIVLLPNE
IDGLQKLEEK LTAEKLMEWT SLQNMRETRV DLHLPRFKVE ESYDLKDTLR
TMGMVDIFNG DADLSGMTGS RGLVLSGV LH KAFVEVTEEG AEAATAAVV
GFGSSPTSTN EEFHCNHPFL FFIRQNKTNS ILFYGRFSSP

Sequence

ADDITIONAL INFORMATION

Product Categories/Family for SERPINB3 protein	Tumor immunity; Pulmonology; Hepatology
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5902072
NCBI GeneID	6317
NCBI Accession #	NP_008850.1
NCBI GenBank Nucleotide #	NP_008850.1
UniProt Accession #	P29508
Molecular Weight	Predicted Molecular Mass: 46.1kDa Accurate Molecular Mass: 50kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	serpin B3
NCBI Official Synonym Full Names	serpin family B member 3
NCBI Official Symbol	SERPINB3
NCBI Official Synonym Symbols	SCC; T4-A; SCCA1; SSCA1; SCCA-1; HsT1196; SCCA-PD
NCBI Protein Information	serpin B3
UniProt Protein Name	Serpin B3
UniProt Gene Name	SERPINB3
UniProt Synonym Gene Names	SCCA; SCCA1; SCCA-1
UniProt Entry Name	SPB3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

