

Recombinant Human SERPINB9 protein, His & T7-tagged

Cat. No. SERPINB9-8007H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SERPINB9 aa. (Met1~Pro376 (Accession # P50453)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Pro376
Description	This gene encodes a member of the serine protease inhibitor family which are also known as serpins. The encoded protein belongs to a subfamily of intracellular serpins. This protein inhibits the activity of the effector molecule granzyme B. Overexpression of this protein may prevent cytotoxic T-lymphocytes from eliminating certain tumor cells. A pseudogene of this gene is found on chromosome 6.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 46.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.6.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	SERPINB9 serpin family B member 9 [Homo sapiens (human)]
Official Symbol	SERPINB9
Synonyms	SERPINB9; serpin family B member 9; PI9; CAP3; PI-9; CAP-3; serpin B9; cytoplasmic antiproteinase 3; peptidase inhibitor 9; protease inhibitor 9 (ovalbumin type); serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 9; serpin peptidase inhibitor, clade B (ovalbumin), member 9; serpin peptidase inhibitor, clade B, member 9; testicular tissue protein Li 180
Gene ID	5272
mRNA Refseq	NM_004155.5

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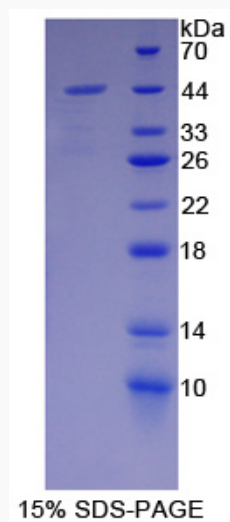
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Protein Refseq NP_004146.1

UniProt ID P50453

SDS-PAGE



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