

Recombinant Human SERPINE2 protein, His & T7-tagged

Cat. No. SERPINE2-8004H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SERPINE2 aa. (Ser20~Pro398 (Accession # P07093)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser20~Pro398
Description	This gene encodes a member of the serpin family of proteins, a group of proteins that inhibit serine proteases. Thrombin, urokinase, plasmin and trypsin are among the proteases that this family member can inhibit. This gene is a susceptibility gene for chronic obstructive pulmonary disease and for emphysema. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 45.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 9.4.

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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	SERPINE2 serpin family E member 2 [Homo sapiens (human)]
Official Symbol	SERPINE2
Synonyms	SERPINE2; serpin family E member 2; GDN; PI7; PN1; PNI; PI-7; PN-1; GDNPF; glia-derived nexin; glial-derived neurite promoting factor; peptidase inhibitor 7; protease nexin I; serpin E2; serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2
Gene ID	5270
mRNA Refseq	NM_001136528.1

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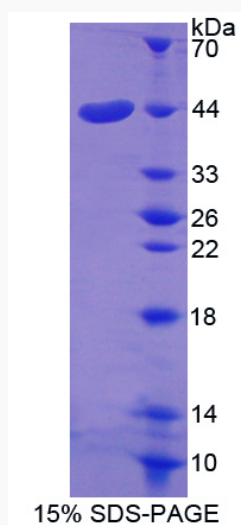
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Protein Refseq NP_001130000.1

UniProt ID P07093

SDS-PAGE



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