

# Recombinant Full Length Human SERPINE2 Protein, His-tagged

Cat. No. SERPINE2-574H Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Recombinant human SERPINE2 protein with His tag was expressed in HEK293.

**Species** Human

**Source** HEK293

**ProteinLength** 1-398 a.a.

**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** Lyophilized

**Molecular Mass** 42.7 kDa

**AA Sequence**

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MNWHLPLFLLASVTLPSICSHFNPLSLEELGSNTGIQVFNQIVKSRPHDNIVISPHGIA
SVLGMLQLGADGRTRKKQLAMVMRYGVNGVGKILKKINKAIVSKKNKDIVTVANAVFV
KNASEIEVPFVTRNKDVFQCEVRNVNFEDPASACDSINAWVKNETRDMIDNLLSPDL
IDGVLTRLVLVNAVYFKGLWKSFRQPENTKKRTFVAADGKSYQVPMLAQLSVFRCG
STSAPNDLWYNFIELPYHGESISMLIALPTESSTPLSAIIPHISTKTIDSWMSIMVPKRV
QVILPKFTAVAQTDLKEPLKVLGITDMFDSSKANFAKITTGSENLHVSHILQKAKIEVS
```

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	EDGTKASAATTAILIARSSPPWFIVDRPFLFFIRHNPTGAVLFMGQINKP
<b>Purity</b>	> 98%
<b>Applications</b>	WB; ELISA; FACS; FC
<b>Stability</b>	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
<b>Storage</b>	At -20 centigrade.
<b>Concentration</b>	1 mg/mL
<b>Storage Buffer</b>	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
<b>Reconstitution</b>	Reconstitute in sterile distilled H <sub>2</sub> O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	SERPINE2 serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	SERPINE2
<b>Synonyms</b>	SERPINE2; serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2; PI7, serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2; glia-derived nexin; GDN; glial

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derived nexin 1; nexin; PN1; PNI; serpin E2; protease nexin I; peptidase inhibitor 7; glial-derived neurite promoting factor; PI7; PI-7; PN-1; DKFZp686A13110;

**Gene ID** 5270

**mRNA Refseq** NM\_001136528

**Protein Refseq** NP\_001130000

**MIM** 177010

**UniProt ID** P07093

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