

Recombinant Human SERPINA5 293 Cell Lysate

Cat. No. SERPINA5-1940HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5 (SERPINA5) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	SERPINA5 serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5 [Homo sapiens]
Official Symbol	SERPINA5
Synonyms	SERPINA5; serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5; PCI, PLANH3, serine (or cysteine) proteinase inhibitor, clade A (alpha 1 antiproteinase, antitrypsin), member 5; plasma serine protease inhibitor; PAI3; PROCI; serpin A5; plasminogen activator inhibitor 3; plasminogen activator inhibitor-3; acrosomal serine protease inhibitor; plasminogen activator inhibitor III; serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5; PCI; PAI-3; PLANH3;
Gene ID	5104
mRNA Refseq	NM_000624
Protein Refseq	NP_000615
MIM	601841
UniProt ID	P05154
Chromosome Location	14q32.1

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Pathway	Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem;
Function	acrosin binding; glycosaminoglycan binding; heparin binding; peptidase inhibitor activity; phosphatidylcholine binding; protease binding; retinoic acid binding; serine-type endopeptidase inhibitor activity;

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