

Recombinant Human SERPINB5 293 Cell Lysate

Cat. No. SERPINB5-1938HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for serpin peptidase inhibitor, clade B (ovalbumin), member 5 (SERPINB5) 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	SERPINB5 serpin peptidase inhibitor, clade B (ovalbumin), member 5 [Homo sapiens]
Official Symbol	SERPINB5
Synonyms	SERPINB5; serpin peptidase inhibitor, clade B (ovalbumin), member 5; PI5, serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 5; serpin B5; maspin; protease inhibitor 5 (maspin); PI-5; peptidase inhibitor 5; serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 5; PI5;
Gene ID	5268
mRNA Refseq	NM_002639
Protein Refseq	NP_002630
MIM	154790
UniProt ID	P36952
Chromosome Location	18q21.3
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; p53 signaling pathway, organism-specific biosystem; p53 signaling pathway, conserved biosystem;

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Function

protein binding; serine-type endopeptidase inhibitor activity;

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