

# Recombinant Human SERPINA1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** SERPINA1-3590H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	SERPINA1 MS Standard C13 and N15-labeled recombinant protein (NP_001121176) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	The protein encoded by this gene is secreted and is a serine protease inhibitor whose targets include elastase, plasmin, thrombin, trypsin, chymotrypsin, and plasminogen activator. Defects in this gene can cause emphysema or liver disease. Several transcript variants encoding the same protein have been found for this gene.
<b>Molecular Mass</b>	46.7 kDa
<b>AA Sequence</b>	<p>MPSSVSWGILLLAGLCCLVPVSLAEDPQGDAAQKTDTSHHQDHPFNKITPNLAEF            AFSLYRQLAHQSNSTNIFFSPVSIATAFAMLSLGTKADTHDEILEGLNPNLTIPEAQIH            EGFQELLRTLNPDSQLQLTTGNGLFLSEGLKLVDFLEDVKKLYHSEFTVNFVGD            EEAKKQINDYVEKGTQGGKIVDLVKELDRDVFALVNYIFFKGGWERPFVVKDTEED            FHVDQVTTVKVPMKRLGMFNIQHCKKLSSWVLLMKYLGNATAIFFLPDEGKLQHL            ENELTHDIITKFLNEDRRSASLHLPKLSITGTYDLKSVLGGQGITKVFNSGADLSGVT            EEAPLKLSKAVHKAVLTIDEKGTEAAGAMFLEAIPMSIPPEVKFNKPFVFLMIDQNTKS            PLFMGKVVNPTQKTRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

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<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">SERPINA1 serpin family A member 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">SERPINA1</a>
<b>Synonyms</b>	SERPINA1; serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1; PI, serine (or cysteine) proteinase inhibitor, clade A (alpha 1 antiproteinase, antitrypsin), member 1; alpha-1-antitrypsin; A1A; A1AT; AAT; alpha 1 antitrypsin; alpha1AT; PI1; protease inhibitor 1 (anti elastase); serpin A1; alpha-1-antiproteinase; alpha-1-antitrypsin null; alpha-1 protease inhibitor; protease inhibitor 1 (anti-elastase), alpha-1-antitrypsin; serine (or cysteine) proteinase inhibitor, clade A, member 1; PI; PRO2275; MGC9222; MGC23330;
<b>Gene ID</b>	<a href="#">5265</a>
<b>mRNA Refseq</b>	<a href="#">NM_001127704</a>
<b>Protein Refseq</b>	<a href="#">NP_001121176</a>
<b>MIM</b>	<a href="#">107400</a>

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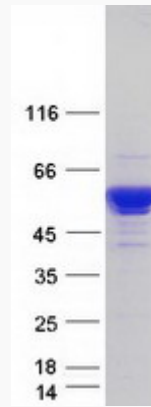
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UniProt ID

P01009

SDS-PAGE



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