

Recombinant Full Length Human SERPINH1 Protein, C-Flag-tagged

Cat. No. SERPINH1-495HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SERPINH1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the serpin superfamily of serine proteinase inhibitors. The encoded protein is localized to the endoplasmic reticulum and plays a role in collagen biosynthesis as a collagen-specific molecular chaperone. Autoantibodies to the encoded protein have been found in patients with rheumatoid arthritis. Expression of this gene may be a marker for cancer, and nucleotide polymorphisms in this gene may be associated with preterm birth caused by preterm premature rupture of membranes. Alternatively spliced transcript variants have been observed for this gene, and a pseudogene of this gene is located on the short arm of chromosome 9.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	44.5 kDa
AA Sequence	MRSLLLLSAFCLLEAALAAEVKKPAAAAAPGTAEKLSPKAATLAERSAGLAFLSLYQA MAKDQAVENILVS PVVVASSLGLVSLGGKATTASQAKAVLSAEQLRDEEVHAGLGE LLRSLNSTARNVTWKLGSRLYGPSSV SFADDFVRSSKQHYNCEHISKINFRDKRSA

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LQSINEWAAQTDDGKLPEVTKDVERTDGALLVNAMFFKPHW DEKFHHKMVDNRGF
 MVTRSYTVGVMMMHRTGLYNYDDDEKEKLQIVEMPLAHKLSSLIIFMPHHVEPLER L
 EKLLTKEQLKIWMGKMQKKAVASLPKGVVEVTHDLQKHLAGLGLTEAIDKNKADLS
 RMSGKKDLYLAS VFHATAFELDTDGNPFDQDIYGREELRSPKLFYADHPFIFLVRDT
 QSGSLLFIGRLVRPKGDKMRDELTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	SERPINH1 serpin family H member 1 [Homo sapiens (human)]
Official Symbol	SERPINH1
Synonyms	CBP1; CBP2; OI10; gp46; AsTP3; HSP47; PIG14; PPROM; RA-A47; SERPINH2
Gene ID	871

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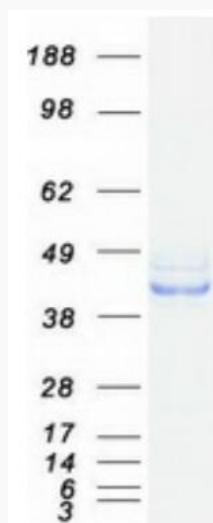
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mRNA Refseq [NM_001235.5](#)

Protein Refseq [NP_001226.2](#)

MIM [600943](#)

UniProt ID [P50454](#)



Coomassie blue staining of purified SERPINH1 protein.

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