

Full-Length

SERPINH1 (Human) Recombinant Protein (P01)

Catalog # H00000871-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SERPINH1 full-length ORF (AAH14623.1, 1 a.a. - 418 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRSLLLLSAFCLLEAALAAEVKKPAAAAAPGTAEKLSPKAATLAERSAGLAFSLYQAMAKDQAV
ENILVSPVVVASSLGLVSLGGKATTASQAKAVLSAEQLRDEEVHAGLGELLRSLSNSTARNVTWK
LGSRLYGPSSVSFADDFVRSSKQHYNCEHSKINFRDKRSALQSINEWAAQTTDGKLPEVTKDVE
RTDGALLVNAMEFFKPHWDEKFHHKMVDNRGFMVTRSYTVGVMMMHRTGLYNYDDEKEKLQV
EMPLAHKLSSLIILMPHHVEPLERLEKLLTKEQLKWMGKMQKKAVASLPKGVVEVTHDLQKHLA
GLGLTEAIDKNKADLSRMSGKKDLYLASVFHATAFELDTDGNPFDQDIYGREELRSPKLFYADHP
FIFLVRDTQSGSLLFIGRLVRPKGDKMRDEL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

71.72

Interspecies Antigen Sequence

Mouse (96)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SERPINH1

Entrez GeneID	871
GeneBank Accession#	BC014623
Protein Accession#	AAH14623.1
Gene Name	SERPINH1
Gene Alias	AsTP3, CBP1, CBP2, HSP47, PIG14, PPRM, RA-A47, SERPINH2, gp46
Gene Description	serpin peptidase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1)
Omim ID	600943 610504
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the serpin superfamily of serine proteinase inhibitors. Its expression is induced by heat shock. The protein localizes to the endoplasmic reticulum lumen and binds collagen; thus it is thought to be a molecular chaperone involved in the maturation of collagen molecules. Autoantibodies to this protein have been found in patients with rheumatoid arthritis. [provided by RefSeq]
Other Designations	arsenic-transactivated protein 3 colligin-1 colligin-2 proliferation-inducing gene 14 rheumatoid arthritis antigen A-47 serine (or cysteine) proteinase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1) serine (or cysteine)

Disease

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