



Recombinant Human Serpin H1 (SERPINH1)

Product Code	CSB-EP021087HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P50454
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	AE VKKPAAAAAP GTA EKLS PKA ATLAERSAGL AFSLYQAMAK DQAVENILVS P VV VASSLGL VSLGGKATTA SQAKAVLSAE QLRDEEVHAG LGELLRSLSN STARNVTWKL GSRLYGPSSV SFADDFVRSS KQHYNCEHSK INFRDKRSAL QSINEWAAQT TDGKLPEVTK DVERTDGALL VNAMEFFKPHW DEKFHHKMVD NRGFMVTRSY TVGVM MMHRT GLYNYDDEK EKLQIVEMPL AHLSSLIIL MPH HVEPLER LEKLLTKEQL KIWMGKMQKK AVAISLPKGV VEVTHDLQKH LAGLGLTEAI DKNKADLSRM SGKKDLYLAS VFHATAFELD TDGNPFDQDI YGREELRSPK LFYADHPFIF LVRDTQSGSL LFIGRLVRPK GDKMRDEL
Source	E.coli
Target Names	SERPINH1
Protein Names	Recommended name: Serpin H1 Alternative name(s): 47 kDa heat shock protein Arsenic-transactivated protein 3 Short name= AsTP3 Cell proliferation-inducing gene 14 protein Collagen-binding protein Short name= Colligin R
Expression Region	19-418
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.