



# Recombinant Human Serpin H1 (SERPINH1)

<b>Product Code</b>	CSB-MP021087HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P50454
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	AE VKKPAAAAAP GTA EKLS PKA ATLAERSAGL AFSLYQAMAK DQAVENILVS P V V V A S S L G L V S L G G K A T T A S Q A K A V L S A E Q L R D E E V H A G L G E L L R S L S N S T A R N V T W K L G S R L Y G P S S V S F A D D F V R S S K Q H Y N C E H S K I N F R D K R S A L Q S I N E W A A Q T T D G K L P E V T K D V E R T D G A L L V N A M F F K P H W D E K F H H K M V D N R G F M V T R S Y T V G V M M M H R T G L Y N Y Y D D E K E K L Q I V E M P L A H K L S S L I L M P H H V E P L E R L E K L L T K E Q L K I W M G K M Q K K A V A I S L P K G V V E V T H D L Q K H L A G L G L T E A I D K N K A D L S R M S G K K D L Y L A S V F H A T A F E L D T D G N P F D Q D I Y G R E E L R S P K L F Y A D H P F I F L V R D T Q S G S L L F I G R L V R P K G D K M R D E L
<b>Source</b>	Mammalian cell
<b>Target Names</b>	SERPINH1
<b>Protein Names</b>	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
<b>Expression Region</b>	19-418
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.