

RP00556

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Recombinant Human Serpin H1/HSP47 Protein

Catalog No.: RP00556

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	871	P50454

Tags

C-His

Synonyms

AsTP3; CBP1; CBP2; HSP47; OI10;
PIG14; PPROM; RA-A47; SERPINH2;
gp46;SERPINH1;CBP1;CBP2;HSP47;OI1
0;PIG14;PPROM;RA-
A47;SERPINH2;gp46;serpin H1

Product Information

Source	Purification
HEK293 cells	> 95% by SDS- PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL
method.

Formulation

Lyophilized from a 0.2 μm filtered
solution of 20mM PB, 150mM NaCl,
pH 7.2. Contact us for customized
product form or formulation.

Reconstitution

Centrifuge the tube before opening.
Reconstitute to a concentration of
0.1-0.5 mg/mL in sterile distilled water.
Avoid vortex or vigorously pipetting
the protein. For long term storage, it is
recommended to add a carrier protein
or stabilizer (e.g. 0.1% BSA, 5% HSA,
10% FBS or 5% Trehalose), and aliquot
the reconstituted protein solution to
minimize free-thaw cycles.

Background

Serpin H1 is a serine proteinase inhibitors Which belongs to the serpin family. Serpin H1 is induced by heatshock. Serpin H1 localizes to the endoplasmic reticulum lumen and binds specifically to 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. Serpin H1 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.

Basic Information

Description

Recombinant Human Serpin H1/HSP47 Protein is produced by Human cells expression system. The target protein is expressed with sequence (Ala19-Leu418) of human Heat Shock 47kDa/SERPINH1 (Accession #P50454) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage

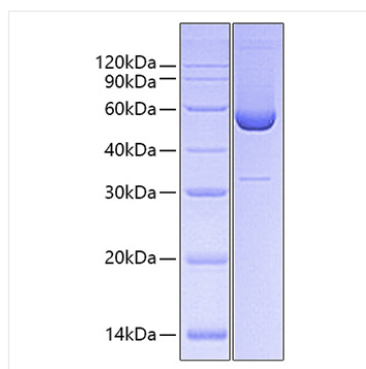
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Human Serpin
H1/HSP47 Protein was determined
by SDS-PAGE under reducing
conditions with Coomassie Blue.