

Datasheet for ABIN666878

SERPINH1 Protein (AA 18-418) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	SERPINH1
Protein Characteristics:	AA 18-418
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SERPINH1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	HSP47(Colligin), 18-418aa, Human, His-Tagged, Recombinant, E.coli
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	SERPINH1
Alternative Name:	HSP47 (Colligin) (SERPINH1 Products)
Target Type:	Viral Protein
Background:	Description: Heat shock protein 47(HSP47), also known as Colligin or Serpin H1, is a serpin which serves as a human chaperone protein for collagen. This protein is a member of the serpin superfamily of serine proteinase inhibitors. Its expression is induced by heat shock. The protein acts as a molecular chaperone facilitating the folding and assembly of procollagen

Target Details

molecules, retaining unfolded molecules within the ER, and assisting the transport of correctly folded-molecules from the ER to Golgi apparatus. Recombinant human HSP47/Colligin protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: Collagen-binding protein, Serpin H1, SERPINH1, RA-A47, AsTP3, Heme oxygenase 1, HSP47, Collogin, 47 kDa heat shock protein, 47 kDa heat shock protein precursor, Arsenic transactivated protein 3, AsTP 3, CBP 1, CBP 2, CBP1, CBP2, Collagen binding protein, SERPINH2, Collagen binding protein 1, Collagen binding protein 2, Colligen, Colligin 1, Colligin 2, gp46, Heat shock protein 47, HGNC 1547, Hsp 47, J6, PIG 14, PIG14, PPR0M, Proliferation inducing gene 14, Proliferation inducing gene 14 protein, RA A47, Rheumatoid arthritis antigen A 47, Rheumatoid arthritis related antigen RA A47, Serine or cysteine proteinase inhibitor clade H member 1, Serine or cysteine proteinase inhibitor clade H member 2, Serpin H1, Serpin peptidase inhibitor clade H member 1. NCBI no.: NP_001226

Molecular Weight:	48.9 kDa (439 aa), confirmed by MALDI-TOF.
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Application Details

Restrictions:	For Research Use only
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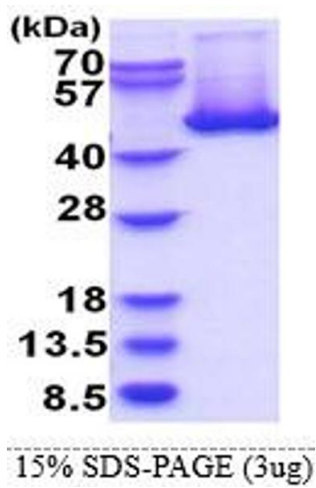
Handling

Format:	Liquid
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Concentration:	1 mg/ml (determined by Bradford assay)
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Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
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Storage:	4 °C
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SDS-PAGE
Image 1.