

Product datasheet for **AR09112PU-N**

SERPINH1 / HSP47 (18-418, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	SERPINH1 / HSP47 (18-418, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMAA EVKKPAAAAA PGTAEKLSPK AATLAERSAG LAFSLYQAMA KDQAVENILV SPVVASSLG LVSLGGKATT ASQAKAVLSA EQLRDEEVHA GLGELLRSL S NSTARNVTWK LGSRLYGPS VSFADDFVRS SKQHYNCEHS KINFRDKRSA LQSINWAAQ TTDGKLPEVT KVERTD GAL LVNAMFFKPH WDEKFHHK MV DNRGFMVTRS YTVGVMMHR TGLYNYDDE KEKLQIVEMP LAHKLSSLII LMPHHVEPLE RLEKLLTKEQ LKIWMGKMQK KAVAIPLPKG VEVTHDLQK HLAGLGLTEA IDKNKADLSR MSGKKDLYLA SVFHATAFEL DTDGNPFDQD IYGREELRSP KLFYADHPFI FLVRDTQSGS LLFIGRLVRP KGDKMRDEL</u>
Tag:	His-tag
Predicted MW:	48.9 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human HSP47/Colligin protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001193943</u>
Locus ID:	871
UniProt ID:	<u>P50454, A0A024R5K8, A8K259</u>
Cytogenetics:	11q13.5



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Synonyms: AsTP3; CBP1; CBP2; gp46; HSP47; OI10; PIG14; PPR0M; RA-A47; SERPINH2

Summary: This gene encodes a member of the serpin superfamily of serine proteinase inhibitors. The encoded protein is localized to the endoplasmic reticulum and plays a role in collagen biosynthesis as a collagen-specific molecular chaperone. Autoantibodies to the encoded protein have been found in patients with rheumatoid arthritis. Expression of this gene 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. Alternatively spliced transcript variants have been observed for this gene, and a pseudogene of this gene is located on the short arm of chromosome 9. [provided by RefSeq, May 2011]

Protein Families: Druggable Genome

Product images:

