

Product datasheet for PH309847

Hsp47 (SERPINH1) (NM_001235) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SERPINH1 MS Standard C13 and N15-labeled recombinant protein (NP_001226)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209847
Predicted MW:	46.5 kDa
Protein Sequence:	>RC209847 protein sequence Red=Cloning site Green=Tags(s)
	MRSLLLLSAFCLLEAALAEVKKPAAAAAPGTAEKLSPKAATLAERSAGLAFSLYQAMAKDQAVENILVSPVVVASSLGLVSLGGKATTASQAKAVLSAEQLRDEEVHAGLGELLRSLNSTARNVTWKLGSRLYGPSSVSFADDFVRSSKQHYNCEHSKINFRDKRSALQSINEWAAQTTDGKLPEVTKDVERTDGDALLVNAMFFKPHWDEKFHHKMVDNRGFMVTRS YTVGMMHRTGLYNYDDEKEKLQIVEMPLAHKLSLIIIFMPHHVEPLERLEKLLTKEQLKIWMGKMQKKAVAISLPGVVEVTHDLQKHLAAGLGLTEAIDKNKADLSRMSGKKDLYLASVFHATAFELDTDGNPFDQDIYGREELRSPKLFYADHPFIFLVRDTQSGSLLFIGRLVRPKGDKMRDEL
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001226
RefSeq Size:	2289
RefSeq ORF:	1254
Synonyms:	AsTP3; CBP1; CBP2; gp46; HSP47; OI10; PIG14; PPROM; RA-A47; SERPINH2
Locus ID:	871



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UniProt ID: [P50454](#), [A0A024R5K8](#)

Cytogenetics: 11q13.5

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:



Coomassie blue staining of purified SERPINH1 protein (Cat# [TP309847]). The protein was produced from HEK293T cells transfected with SERPINH1 cDNA clone (Cat# [RC209847]) using MegaTran 2.0 (Cat# [TT210002]).