

# **Product datasheet for PH309847**

#### OriGene Technologies, Inc.

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### 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

RC209847

or AA Sequence: Predicted MW:

46.5 kDa

Protein Sequence: >RC209847 protein sequence

Red=Cloning site Green=Tags(s)

MRSLLLLSAFCLLEAALAAEVKKPAAAAAPGTAEKLSPKAATLAERSAGLAFSLYQAMAKDQAVENILVS PVVVASSLGLVSLGGKATTASQAKAVLSAEQLRDEEVHAGLGELLRSLSNSTARNVTWKLGSRLYGPSSV SFADDFVRSSKQHYNCEHSKINFRDKRSALQSINEWAAQTTDGKLPEVTKDVERTDGALLVNAMFFKPHW DEKFHHKMVDNRGFMVTRSYTVGVMMMHRTGLYNYYDDEKEKLQIVEMPLAHKLSSLIIFMPHHVEPLER LEKLLTKEQLKIWMGKMQKKAVAISLPKGVVEVTHDLQKHLAGLGLTEAIDKNKADLSRMSGKKDLYLAS VFHATAFELDTDGNPFDQDIYGREELRSPKLFYADHPFIFLVRDTQSGSLLFIGRLVRPKGDKMRDEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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





#### Hsp47 (SERPINH1) (NM\_001235) Human Mass Spec Standard - PH309847

UniProt ID: <u>P50454</u>, <u>A0A024R5K8</u>

Cytogenetics: 11q13.5

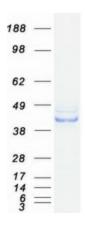
**Summary:** This gene encodes a member of the serpin superfamily of serine proteinase inhibitors. The

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]).