

Product datasheet for **RC209847L4V**

Hsp47 (SERPINH1) (NM_001235) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Hsp47 (SERPINH1) (NM_001235) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | Hsp47 |
| Synonyms: | AsTP3; CBP1; CBP2; gp46; HSP47; OI10; PIG14; PPROM; RA-A47; SERPINH2 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001235 |
| ORF Size: | 1254 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC209847). |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| RefSeq: | NM_001235.2 |
| RefSeq Size: | 2289 bp |
| RefSeq ORF: | 1257 bp |
| Locus ID: | 871 |
| UniProt ID: | P50454 |
| Cytogenetics: | 11q13.5 |
| Domains: | SERPIN |
| Protein Families: | Druggable Genome |



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MW: 46.5 kDa

Gene 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]