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Product datasheet for SC331737

Hsp47 (SERPINH1) (NM_001207014) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Hsp47 (SERPINH1) (NM_001207014) Human Untagged Clone

Tag: Tag Free

Symbol: Hsp47

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

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC331737 representing NM_001207014.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGCGCTCCCTCCTGCTTCTCAGCGCCTTCTGCCTCCTGGAGGCGGCCCTGGCCGCCGAGGTGAAGAAA
CCTGCAGCCGCAGCAGCTCCTGGCACTGCGGAGAAGTTGAGCCCCAAGGCGGCCACGCTTGCCGAGCGC
AGCGCCGGCCTGGCCTTCAGCTTGTACCAGGCCATGGCCAAGGACCAGGCAGTGGAGAACATCCTGGTG
TCACCCGTGGTGGTGGCCTCGTCGCTAGGGCTCGTGTCGCTGGGCGGCAAGGCGACCACGGCGTCGCAG
GCCAAGGCAGTGCTGAGCGCCGAGCAGCTGCGCGACGAGGAGGTGCACGCCGGCCTGGGCGAGCTGCTG
CGCTCACTCAGCAACTCCACGGCGCGCAACGTGACCTGGAAGCTGGGCAGCCGACTGTACGGACCCAGC
TCAGTGAGCTTCGCTGATGACTTCGTGCGCAGCAGCAAGCAGCACTACAACTGCGAGCACTCCAAGATC
AACTTCCGCGACAAGCGCAGCGCGCTGCAGTCCATCAACGAGTGGGCCGCGCAGACCACCGACGGCAAG
CTGCCCGAGGTCACCAAGGACGTGGAGCGCACGGACGGCGCCCTGCTAGTCAACGCCATGTTCTTCAAG
CCACACTGGGATGAGAAATTCCACCACAAGATGGTGGACAACCGTGGCTTCATGGTGACTCGGTCCTAT
ACCGTGGGTGTCATGATGATGCACCGGACAGGCCTCTACAACTACTACGACGACGAGAAGGAAAAGCTG
CAAATCGTGGAGATGCCCCTGGCCCACAAGCTCTCCAGCCTCATCATCCTCATGCCCCATCACGTGGAG
CCTCTCGAGCGCCTTGAAAAGCTGCTAACCAAAGAGCAGCTGAAGATCTGGATGGGGAAGATGCAGAAG
AAGGCTGTTGCCATCTCCTTGCCCAAGGGTGTGGTGGAGGTGACCCATGACCTGCAGAAACACCTGGCT
GGGCTGGGCCTGACTGAGGCCATTGACAAGAACAAGGCCGACTTGTCACGCATGTCAGGCAAGAAGGAC
CTGTACCTGGCCAGCGTGTTCCACGCCACCGCCTTTGAGTTGGACACAGATGGCAACCCCTTTGACCAG
GACATCTACGGGCGCGAGGAGCTGCGCAGCCCCAAGCTGTTCTACGCCGACCACCCCTTCATCTTCCTA
GTGCGGGACACCCAAAGCGGCTCCCTGCTATTCATTGGGCGCCTGGTCCGGCCTAAGGGTGACAAGATG
CGAGACGAGTTATAG

Restriction Sites: SgfI-MluI

ACCN: NM_001207014

Insert Size: 1257 bp

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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001207014.1
RefSeq Size:	2333 bp
RefSeq ORF:	1257 bp
Locus ID:	871
UniProt ID:	P50454
Cytogenetics:	11q13.5
Protein Families:	Druggable Genome
MW:	46.4 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] Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.