

## Recombinant Human CARHSP1, HA-tagged

**Cat. No.** CARHSP1-26089TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length protein corresponding to amino acids 2-147 of Human CARHSP1, containing an N-terminal proprietary tag and HA tag; predicted MWt 44 kDa inclusive of tag. Residue S247 of the fusion protein is equivalent to E2 of the native enzyme. Th
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Protein Length</b>	146 amino acids
<b>Description</b>	CARHSP1 is a serine phosphoprotein originally identified as a physiological substrate for the Ca <sup>2+</sup> -calmodulin regulated protein phosphatase calcineurin (PP2B).
<b>Conjugation</b>	HA
<b>Molecular Weight</b>	44.000kDa inclusive of tags
<b>Form</b>	Liquid
<b>Storage buffer</b>	pH: 7.50 Constituents: 0.79% Tris HCl, 9.24% Sucrose, 0.88% Sodium chloride, 0.1% Beta mercaptoethanol, 0.02% Brij, 0.003% PMSF, 0.012% Benzamidine, 0.003% EGTA
<b>Storage</b>	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.

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**Sequences of amino acids**

MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDK WRNKKFELGLEFPNLPY  
 YIDGDVKLTQSMARIYIADKHN MLGGCPKERAIEISMLEGAVLDIRYGVSRISYKDF  
 ETLKV DFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALD VVLYMDPMCL  
 DAFPKLVCFKKRIEAIQIDKYLKSSKYIA WPLQGWQATFGGGDHPKSDLEVLFGG  
 PLGSPEFATMYPY DVDPYASSEPPPPQPPTHQASVGLLDTPRSRERSPSPLR GN  
 VVPSPLPTRRTRTFSATVRASQGPVYKGVCKCFCRSKG HGFITPADGGPDIFLHISD  
 VEGEYVPVEGDEVTYKMCSIP PKNEKLQAVEVVITHLAPGTKHETWSGHVISS

**Sequence Similarities**

Contains 1 CSD (cold-shock) domain.

## GENE INFORMATION

**Gene Name** [CARHSP1 calcium regulated heat stable protein 1, 24kDa \[ Homo sapiens \]](#)

**Official Symbol** [CARHSP1](#)

**Synonyms** CARHSP1; calcium regulated heat stable protein 1, 24kDa; calcium regulated heat stable protein 1 (24kD); calcium-regulated heat stable protein 1; CRHSP 24; CSDC1;

**Gene ID** [23589](#)

**mRNA Refseq** [NM\\_001042476](#)

**Protein Refseq** [NP\\_001035941](#)

**Uniprot ID** [Q9Y2V2](#)

**Chromosome Location** 16p13.2

**Function** DNA binding; RNA binding; mRNA 3-UTR binding; phosphatase binding;

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