

## CARHSP1 Protein, Human

<b>Cat. No.:</b>	HY-P76766A
<b>Synonyms:</b>	Calcium-regulated heat-stable protein 1; Calcium-regulated heat-stable protein of 24 kDa; CRHSP-24
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	Q9Y2V2 (S2-S147)
<b>Gene ID:</b>	23589
<b>Molecular Weight:</b>	18-23 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>S S E P P P P P Q P    P T H Q A S V G L L    D T P R S R E R S P    S P L R G N V V P S</p> <p>P L P T R R T R T F    S A T V R A S Q G P    V Y K G V C K C F C    R S K G H G F I T P</p> <p>A D G G P D I F L H    I S D V E G E Y V P    V E G D E V T Y K M    C S I P P K N E K L</p> <p>Q A V E V V I T H L    A P G T K H E T W S    G H V I S S</p>
<b>Appearance</b>	Lyophilized powder
<b>Formulation</b>	Lyophilized from 0.22 $\mu$ m filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Endotoxin Level</b>	<1 EU/ $\mu$ g, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>The CARHSP1 Protein plays a crucial role in post-transcriptional gene regulation by binding to mRNA and modulating the stability of the target mRNA, highlighting its involvement in cellular processes related to RNA homeostasis. Additionally, CARHSP1 exhibits the capacity to bind single-stranded DNA in vitro, suggesting potential versatility in its molecular interactions. Structurally, the protein forms homodimers, indicating that its functional activity may be linked to its dimeric state. Furthermore, CARHSP1 interacts with STYX, emphasizing its association with specific binding partners and potential involvement in larger molecular complexes or signaling pathways.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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