

CARHSP1 Protein, Human (His)

Cat. No.:	HY-P76766
Synonyms:	Calcium-regulated heat-stable protein 1; Calcium-regulated heat-stable protein of 24 kDa; CRHSP-24
Species:	Human
Source:	E. coli
Accession:	Q9Y2V2 (M1-S147)
Gene ID:	23589
Molecular Weight:	Approximately 21 kDa

PROPERTIES

AA Sequence	<p> M 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 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 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 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>
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris-HCL, 300 mM NaCL, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	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.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<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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