

Recombinant Human Calcium Regulated Heat Stable Protein 1, 24kDa, His-tagged

Cat. No. CARHSP1-4236H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CRAHSP1 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 167 amino acids (1-147 a.a.) and having a molecular mass of 18kDa. The CRAHSP1 is purified by proprietary chromatographic techniques.
Species	Human
Source	Human
ProteinLength	1-147 a.a.
Description	CRAHSP1 is a serine phosphoprotein initially identified as a physiological substrate for the Ca ²⁺ -calmodulin regulated protein phosphatase calcineurin (PP2B). CRAHSP1 interacts with the STYX/dead phosphate protein in developing spermatids and is a paralog of the brain-specific mRNA-binding protein PIPPIN. It is believed to have a common role in calcium-mediated signal transduction resulting from phosphorylation on serine residues.
Form	The CRAHSP1 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol and 0.1M NaCl.
Purity	Greater than 90.0% as determined by SDS-PAGE.
Physical Appearance	Sterile Filtered colorless solution.

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Amino acid sequence	MGSSHHHHHH SSGLVPRGSH MSSEPPPPPQ PPTHQASVGL LDTPRSRERS PSPLRGNVVP SPLPTRRTRT FSATVRASQG PVYKGVCKCF CRSKGHGFIT PADGGPDIFL HISDVEGEYV PVEGDEVITYK MCSIPPKNEK LQAVEVVITH LAPGTKHETW SGHVISS.
Storage	CRAHSP1 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
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; CSDC1; CRHSP-24; MGC111446; calcium-regulated heat stable protein 1; calcium-regulated heat-stable protein (24kD); calcium-regulated heat-stable protein of 24 kDa; calcium regulated heat stable protein 1 (24kD)
Gene ID	23589
mRNA Refseq	NM_001042476
Protein Refseq	NP_001035941
UniProt ID	Q9Y2V2
Chromosome Location	16p13.2

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Function	DNA binding; phosphatase binding
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