

## CARHSP1 Human

**Description:** 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.

**Catalog #:** PRPS-264

For research use only.

**Synonyms:** Calcium-regulated heat stable protein 1, Calcium-regulated heat-stable protein of 24 kDa, CRHSP-24, CARHSP1, asCSDC1, MGC111446.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MSSEPPPPQ PPTHQASVGL  
LDTPRSRERS PSPLRGNVVP SPLPTRRTRT FSATVRASQG PVYKGVCKCF CRSKGHGFI  
PADGGPDIFL HISDVEGEYV PVEGDEVYK MCSIPPKNEK LQAVEVVITH LAPGTKHETW  
SGHVISS.

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

The CRAHSP1 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol and 0.1M NaCl.

**Stability:**

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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

CRAHSP1 is a serine phosphoprotein initially identified as a physiological substrate for the Ca<sup>2+</sup>-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.

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