

NCS1 Neuronal Calcium Sensor 1 213 a.a. Human Recombinant Protein

Catalog Number: PROTP62166-1

Introduction

NCS1 is part of the neuronal calcium sensor gene family, which encode calcium-binding proteins expressed primarily in neurons. NCS1 regulates G protein-coupled receptor phosphorylation in a calcium-dependent manner and can substitute for calmodulin. NCS1 is related with secretory granules and modulates synaptic transmission and synaptic plasticity. NCS1 regulates GRK1 and substitutes for calmodulin. NCS1 stimulates PI4KB kinase activity and participates in long-term synaptic plasticity through its interaction with PICK1. NCS1 takes part in neuron differentiation through inhibition of the activity of N-type voltage-gated calcium channel.

Overview

Product Name	NCS1 Neuronal Calcium Sensor 1 213 a.a. Human Recombinant Protein
Description	NCS1 213 a.a. Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 213 amino acids (1-190 a.a) and having a molecular mass of 24.3kDa. NCS1 213 a.a. is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Size	5ug, 20ug, 1mg
Tag	
Form	Sterile Filtered clear colorless solution.
Source	E. Coli
Formulation	NCS1 213 a.a. protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 30% glycerol and 1mM DTT.

Concentration

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Purity

Greater than 95% as determined by SDS-PAGE.

Amino Acid Sequence

MGSSHHHHHH SSGLVPRGSH MGS ?/description_after_attributes?

Usage

Boster'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.

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