

Recombinant Mouse Ncs1 Protein, Myc/DDK-tagged

Cat. No. Ncs1-4318M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length neuronal calcium sensor 1 (Ncs1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Neuronal calcium sensor, regulator of G protein-coupled receptor phosphorylation in a calcium dependent manner. Directly regulates GRK1 (RHOK), but not GRK2 to GRK5. Can substitute for calmodulin. Stimulates PI4KB kinase activity. Involved in long-term synaptic plasticity through its interaction with PICK1. May also play a role in neuron differentiation through inhibition of the activity of N-type voltage-gated calcium channel.
Molecular Mass	21.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Ncs1 neuronal calcium sensor 1 [Mus musculus (house mouse)]

Official Symbol Ncs1

Synonyms NCS1; neuronal calcium sensor 1; frequenin homolog; neuronal calcium sensor-1; Freq; Mfreq; NCS-1; AI836659; 9430075O15Rik; A730032G13Rik

Gene ID 14299

mRNA Refseq NM_019681

Protein Refseq NP_062655

UniProt ID Q8BNY6

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