

Recombinant Human Neuronal Calcium Sensor 1, His-tagged

Cat. No. NCS1-2353H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NCS1 fused to His-tag at C-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. 22.9 kDa (198aa).
Species	Human
Source	E.coli
Description	Neuronal calcium sensor 1, also known as NCS1, is a member of the neuronal calcium sensor gene family, which encode calcium-binding proteins expressed predominantly in neurons. NCS1 is localized to neuronal cell bodies and axons throughout the brain and spinal cord. It is also expressed in glial cells and in neuroendocrine bovine adrenal chromaffin and PC12 cells. NCS1 is a regulatory protein involved in Ca ⁺⁺ -dependent exocytosis of synaptic vesicles and dense core granules.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol.
Purity	> 95% by SDS - PAGE.
Concentration	1 mg/ml (determined by BCA assay).
Sequences Of Amino Acids	MGKSNSKLKP EVVEELTRKT YFTEKEVQQW YKGFIKDCPS GQLDAAGFQK IYKQ FF PFGD PTKFATFVFN VF DENKDGRI EFSEFIQALSVTSRGLDEK LRWAFKLYDL DNDGYITRNE MLDIVDAIQ MVGNTVELPE EENTPEKRVD RIFAMMDKNA DG

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KLTLQEFQ EGSKADPSIVQALSLYDGLV LEHHHHHH.

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

[NCS1 neuronal calcium sensor 1 \[Homo sapiens \]](#)

Synonyms

neuronal calcium sensor 1; FLUP; FREQ; DKFZp761L1223; NCS1; frequenin homolog; frequenin-like protein; frequenin-like ubiquitous protein

Gene ID

[23413](#)

mRNA Refseq

[NM_001128826](#)

Protein Refseq

[NP_001122298](#)

MIM

[603315](#)

UniProt ID

P62166

**Chromosome
Location**

9q34

Function

calcium ion binding; protein binding

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