

Recombinant Human NCS1, His-tagged

Cat. No. NCS1-29296TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human NCS1 with C-terminal His tag.Mol Wt 22.9 kDa inclusive of tag.
Species	Human
Source	E.coli
ProteinLength	190 amino acids
Description	This gene is a member of the neuronal calcium sensor gene family, which encode calcium-binding proteins expressed predominantly in neurons. The protein encoded by this gene regulates G protein-coupled receptor phosphorylation in a calcium-dependent manner and can substitute for calmodulin. The protein is associated with secretory granules and modulates synaptic transmission and synaptic plasticity. Multiple transcript variants encoding different isoforms have been found for this gene.
Conjugation	HIS
Molecular Weight	22.900kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	pH: 8.00Constituents:0.32% Tris HCl, 0.02% DTT, 10% Glycerol

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Storage	Please see Notes section
Sequences of amino acids	MGKSNSKLKP EVVEELTRKT YFTEKEVQQW YKGFIKDCPS GQLDAAGFQK IYKQFFPFGD PTKFATFVFN VFDENKDGRI EFSEFIQALS VTSRGTLDEK LRWAFKLYDL DNDGYITRNE MLDIVDAIYQ MVGNTVELPE EENTPEKRVD RIFAMMDKNA DGKLTQLQEFQ EGSKADPSIV QALSLYDGLV LEHHHHHH
Sequence Similarities	Belongs to the recoverin family.Contains 4 EF-hand domains.
GENE INFORMATION	
Gene Name	NCS1 neuronal calcium sensor 1 [Homo sapiens]
Official Symbol	NCS1
Synonyms	NCS1; neuronal calcium sensor 1; FREQ, frequenin (Drosophila) homolog , frequenin homolog (Drosophila); NCS 1;
Gene ID	23413
mRNA Refseq	NM_001128826
Protein Refseq	NP_001122298
MIM	603315
Uniprot ID	P62166
Chromosome Location	9q34.11



Function

calcium ion binding; protein binding;

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