

Recombinant Full Length Human NCS1 Protein, GST-tagged

Cat. No. NCS1-5145HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FREQ full-length ORF (AAH04856, 1 a.a. - 190 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
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. [provided by RefSeq]
Molecular Mass	46.64 kDa
AA Sequence	MGKSNSKCLKPEVVEELTRKTYFTEKEVQQWYKGFIKDCPSGQLDAAGFQKIYKQFF PFGDPTKFATFVFNVFDENKDGRIEFSEFIQALSVTSRGTLDEKLRWAFKLYDLND GYITRNEMLDIVDAIYQMVGNVELPEEENTPEKRVDRIFAMMDKNADGKLTQLQEFQ EGSKADPSIVQALSLYDGLV
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	NCS1 neuronal calcium sensor 1 [Homo sapiens (human)]
Official Symbol	NCS1
Synonyms	NCS1; neuronal calcium sensor 1; FLUP; FREQ; neuronal calcium sensor 1; 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

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