

# Recombinant Human NCS1 protein, GST-tagged

**Cat. No.** NCS1-1321H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human NCS1 protein(1-190 aa), fused with N-terminal GST tag, was expressed in E.coli.                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 1-190 aa                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH). |
| <b>AASequence</b>       | MGKSNSKCLKPEVVEELTRKTYFTEKEVQQWYKGFIKDCPSGQLDAAGFQKIYKQFF<br>PFGDPTKFATFVFNVDENKDGRIEFSEFIQALSVTSRGTLDEKLRWAFKLYDLND<br>GYITRNEMLDIVDAIYQMVGNTVELPEEENTPEKRVDRIFAMMDKNADGKLTQLQEFQ<br>EGSKADPSIVQALSLYDGLV                                                                                                                                                                                   |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.                                                                                                                                                                                        |

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**Reconstitution**

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

**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; frequenin homolog; frequenin-like protein; frequenin-like ubiquitous protein; FLUP; FREQ; DKFZp761L1223;

**Gene ID** 23413

**mRNA Refseq** NM\_001128826

**Protein Refseq** NP\_001122298

**MIM** 603315

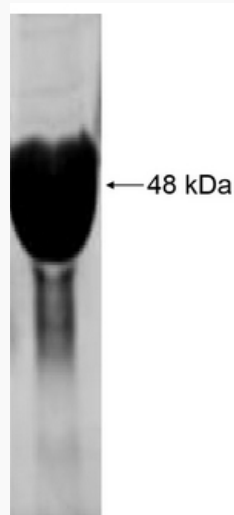
**UniProt ID** P62166

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**SDS-PAGE**



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