

NCS1, 1-190aa, Human, His tag, E.coli

Cat.NO.: TP03113

3th Edition

Synonyms:Neuronal calcium sensor 1 isoform 1, FLUP, FREQ

Description:NCS1 is a member of the neuronal calcium sensor gene family, which encode calcium-binding proteins expressed predominantly in neurons. This protein regulates G protein-coupled receptor phosphorylation in a calcium-dependent manner and can substitute for calmodulin. It is associated with secretory granules and modulates synaptic transmission and synaptic plasticity. Multiple transcript variants encoding different isoforms have been found for this gene. Recombinant human NCS1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT

Molecular Weight:24.3. kDa (213aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMGKSNSKPKPEVVEELTRKTYFTEKEVQQWYKGFIKDCPSGQLDAAGFQKI
YKQFFPFGDPTKFATFVFNVDENKDGRIEFSEFIQALSVTSRGTLDKLRWAFKLYDLNDGYITRNEMLDIVDAIY
QMVGNVELPEEENTPEKRVDRIFAMMDKNADGKLTQEFQEGSKADPSIVQALS LYDGLV

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.