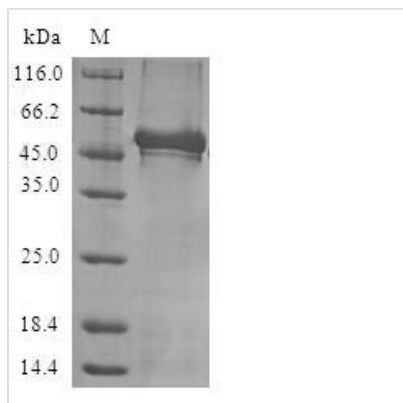




Recombinant Human Neuronal calcium sensor 1 (NCS1)

Product Code	CSB-EP008983HU
Relevance	Neuronal calcium sensor, regulator of G protein-coupled receptor phosphorylation in a calcium dependent manner. Directly regulates GRK1 (RHOK), but not GRK2 to GRK5. Can substitute for calmodulin. Stimulates PI4KB kinase activity. Involved in long-term synaptic plasticity through its interaction with PICK1. May also play a role in neuron differentiation through inhibition of the activity of N-type voltage-gated calcium channel
Abbreviation	Recombinant Human NCS1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P62166
Alias	Frequenin homolog Frequenin-like protein Frequenin-like ubiquitous protein
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	GKSNKSLKPEVVEELTRKTYFTEKEVQQWYKGFIKDCPSGQLDAAGFQKIYKQ FFPFGDPTKFATFVFNVDENKDGRIEFSEFIQALSVTSRGTLDEKLRWAFKLY DLNDGYITRNEMLDIVDAIYQMVGNVELPEEENTPEKRVDRIAMMDKNAD GKLTQLQEFQEGSKADPSIVQALSPLYDGLV
Research Area	Neuroscience
Source	E.coli
Target Names	NCS1
Protein Names	Recommended name: Neuronal calcium sensor 1 Short name= NCS-1 Alternative name(s): Frequenin homolog Frequenin-like protein Frequenin-like ubiquitous protein
Expression Region	1-190aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	48.7kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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