Recombinant Human Neuronal calcium sensor 1 (NCS1)

Product Code	CSB-BP008983HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P62166
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	GKSNSKLKP EVVEELTRKT YFTEKEVQQW YKGFIKDCPS GQLDAAGFQK IYKQFFPFGD PTKFATFVFN VFDENKDGRI EFSEFIQALS VTSRGTLDEK LRWAFKLYDL DNDGYITRNE MLDIVDAIYQ MVGNTVELPE EENTPEKRVD RIFAMMDKNA DGKLTLQEFQ EGSKADPSIV QALSLYDGLV
Source	Baculovirus
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	2-190
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene 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. 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.
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	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.