Neuronal Calcium Sensor 1 (ncs1) Xenopus Laevis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Neuronal calcium sensor 1 (ncs1), Recombinant Protein
Full Product Name	Recombinant Xenopus laevis Neuronal calcium sensor 1 (ncs1)
Product Gene Name	ncs1 recombinant protein
Product Synonym Gene Name	ncs1
Sequence	GKSNSKLKPE VVEELTRKTY FTEKEVQQWY KGFIKDCPSG QLDATGFQKI YKQFFPFGDP TKFATFVFNV FDENKDGRIE FSEFIQALSV TSRGTLDEKL RWAFKLYDLD NDGYITRNEM LDIVDAIYQM VGNTVELPEE ENTPEKRVDR IFAMMDKNSD GKLTLQEFQE GSKADPSIVQ ALSLYDGLV
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	21,925 Da
Sequence Positions	2-190, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q91614
Species	Xenopus laevis (African clawed frog)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ncs1 recombinant protein	MBS1324765 is a recombinant protein targeting ncs1. Also known as Recombinant Xenopus laevis Neuronal calcium sensor 1 (ncs1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ncs1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ncs1. It may not necessarily be applicable to this product.

NCBI GI #	148225548
NCBI GeneID	399297
NCBI Accession #	NP_001084088.1
UniProt Primary Accession #	Q91614
UniProt Secondary Accession #	Q6GQJ0
UniProt Related Accession #	Q91614

GenBank Nucleotide #	NM_001090619.1
NCBI Official Full Name	neuronal calcium sensor 1
NCBI Official Synonym Full Names	neuronal calcium sensor 1 L homeolog
NCBI Official Symbol	ncs1.L
NCBI Official Synonym Symbols	flup; freq; ncs1; xfreq
UniProt Protein Name	Neuronal calcium sensor 1
UniProt Synonym Protein Names	Frequenin
Protein Family	Purine-uracil permease
UniProt Gene Name	ncs1
UniProt Synonym Gene Names	freq; NCS-1
NCBI Protein Information	neuronal calcium sensor 1
UniProt Comments for ncs1	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 ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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