

Product datasheet for PH302389

Frequenin (NCS1) (NM_014286) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NCS1 MS Standard C13 and N15-labeled recombinant protein (NP_055101)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202389
Predicted MW:	21.9 kDa
Protein Sequence:	>RC202389 protein sequence Red=Cloning site Green=Tags(s) MGKSNSKLPKPEVVEELTRKTYFTEKEVQQWYKGFIKDCPSGQLDAAGFQKIYKQFFPFGDPTKFATFVFN VF DENKDGRIEFSEFIQALSVTSRGTLDKLRWAFKLYDLNDGYITRNEMLDIVDAIYQMVGNTVELPE EENTPEKRVDRIFAMMDKNADGKLTLEFQEGSKADPSIVQALS LYDGLV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_055101
RefSeq Size:	5009
RefSeq ORF:	570
Synonyms:	FLUP; FREQ
Locus ID:	23413
UniProt ID:	P62166 , A0A024R8B2



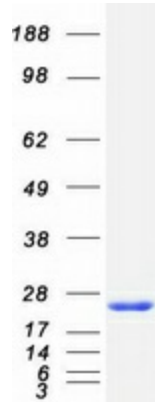
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Cytogenetics: 9q34.11

Summary: This gene is a member of the neuronal calcium sensor gene family, which encode calcium-binding proteins expressed predominantly in neurons. The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified NCS1 protein (Cat# [TP302389]). The protein was produced from HEK293T cells transfected with NCS1 cDNA clone (Cat# [RC202389]) using MegaTran 2.0 (Cat# [TT210002]).