

Product datasheet for **TP302389M**

Frequenin (NCS1) (NM_014286) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human frequenin homolog (Drosophila) (FREQ), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202389 protein sequence Red =Cloning site Green =Tags(s)

MGKSNSKLPVEWELTRKTYFTEKEVQQWYKGFIKDCPSGQLDAAGFQKIYKQFFPFGDPTKFATFVFN
VFDENKDGRIEFSEFIQALSVTSRGTLDEKLRWAFKLYDLNDGYITRNEMLDIVDAIQMVGNTVELPE
EENTPEKRVDRIFAMMDKNADGKLTQLQEFQEGSKADPSIVQALSLYDGLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	21.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_055101</u>
Locus ID:	23413
UniProt ID:	<u>P62166</u> , <u>A0A024R8B2</u>



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RefSeq Size: 5009

Cytogenetics: 9q34.11

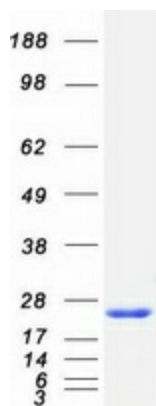
RefSeq ORF: 570

Synonyms: FLUP; FREQ

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]).