

Recombinant Human FREQ, GST-tagged

Cat. No. FREQ-13001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FREQ protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-190
Description	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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	NCS1 neuronal calcium sensor 1 [Homo sapiens]
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Official Symbol	NCS1
Synonyms	NCS1; neuronal calcium sensor 1; FREQ, frequenin (Drosophila) homolog , frequenin homolog (Drosophila); NCS 1; frequenin homolog; frequenin-like protein; frequenin-like ubiquitous protein; FLUP; FREQ; DKFZp761L1223;
Gene ID	23413
mRNA Refseq	NM_001128826
Protein Refseq	NP_001122298
MIM	603315
UniProt ID	P62166
Chromosome Location	9q34.11
Function	calcium ion binding; protein binding;

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