Recombinant Human CACNG2 protein, His-tagged

Cat. No. CACNG2-5655H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CACNG2 protein(146-323 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	146-323 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na_2HPO_4, 17 mM NaH_2PO_4, 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients.
AASequence	GLSNIIGIIVYISANAGDPSKSDSKKNSYSYGWSFYFGALSFIIAEMVGVLAVHMFIDR HKQLRATARATDYLQASAITRIPSYRYRYQRRSRSSSRSTEPSHSRDASPVGIKGFN TLPSTEISMYTLSRDPLKAATTPTATYNSDRDNSFLQVHNCIQKENKDSLHSNTANR RTTPV
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 µg/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name	CACNG2 calcium channel, voltage-dependent, gamma subunit 2 [Homo sapiens]
Official Symbol	CACNG2
Synonyms	CACNG2; calcium channel, voltage-dependent, gamma subunit 2; voltage-dependent calcium channel gamma-2 subunit; MGC138502; MGC138504; stargazin; TARP gamma-2; transmembrane AMPAR regulatory protein gamma-2; neuronal voltage-gated calcium channel gamma-2 subunit; MRD10; FLJ41437;
Gene ID	10369
mRNA Refseq	NM_006078
Protein Refseq	NP_006069
MIM	602911
UniProt ID	Q9Y698

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SDS-PAGE



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