

Recombinant Human CACNG5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CACNG5-5459H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CACNG5 MS Standard C13 and N15-labeled recombinant protein (NP_665810) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a type II transmembrane AMPA receptor regulatory protein (TARP). TARPs regulate both trafficking and channel gating of the AMPA receptors. This gene is part of a functionally diverse eight-member protein subfamily of the PMP-22/EMP/MP20 family and is located in a cluster with two family members, a type I TARP and a calcium channel gamma subunit. This gene is a susceptibility locus for schizophrenia and bipolar disorder.
Molecular Mass	30.9 kDa
AA Sequence	MSACGRKALTLLSSVFAVCGLGLLGIAVSTDYWLYLEEGVIVPQNQSTEIKMSLHSGL WRVCFLAGEERGRCFTIEYVMPMNTQLTSESTVNVLMIRSATPFPLVSLFFMFIGFI LNNIGHIRPHRTILAFVSGIFFILSGLSLVGLVLYISSINDEMLNRTKDAETYFNYKYG WSFAFAAISFLLTESAGVMSVYLFMKRYTAEDMYRPHPGFYRPRLSNCSDYSGQFL HPDAWVRGRSPSDISSEASLQMNSNYPALLKCPDYDQMSSSPCTRTRPLEQKLISE EDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

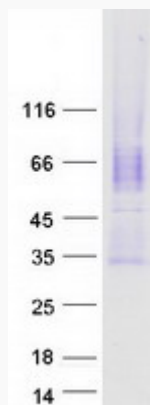
GENE INFORMATION

Gene Name	CACNG5 calcium voltage-gated channel auxiliary subunit gamma 5 [Homo sapiens (human)]
Official Symbol	CACNG5
Synonyms	CACNG5; calcium channel, voltage-dependent, gamma subunit 5; voltage-dependent calcium channel gamma-5 subunit; TARP gamma-5; transmembrane AMPAR regulatory protein gamma-5; neuronal voltage-gated calcium channel gamma-5 subunit; MGC126656; MGC126682;
Gene ID	27091
mRNA Refseq	NM_145811
Protein Refseq	NP_665810
MIM	606405
UniProt ID	Q9UF02

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SDS-PAGE

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