

Recombinant Human CACNG5 Protein, GST-Tagged

Cat. No. CACNG5-0277H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CACNG5 full-length ORF (NP_055219.1, 1 a.a. - 296 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Dec 2010]
Molecular Mass	59.2 kDa
AA Sequence	MSACGRKALTLLSSVFAVCGLGLLGIAVSTDYWLYLEEGVIVPQNQSTEIKMSLHSGL WRVCFLAGEERGRCFTIEYVMPMNTQLTSESTVNVCLKMIRSATPFPLVSLFFMFIGFI LNNIGHIRPHRTILAFVSGIFFILSGLSLVGLVLYISSINDEMLNRTKDAETYFNYKYG WSFAFAAISFLLTEVKPVTLSMDRLGLGTAPLSRGEGWGRRDIPQPFWTPDHPLY FPSSSQNVSLSYLSGSPPARMSPGPCSCPHVHFPPHSSCVLCRPQPREMRQAPAA SPSSAVFSL
Applications	Enzyme-linked Immunoabsorbent Assay

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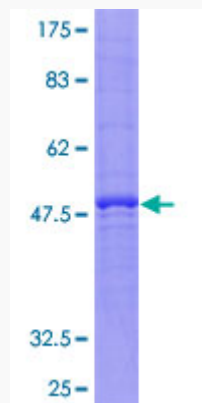
	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	CACNG5 calcium channel, voltage-dependent, gamma subunit 5 [Homo sapiens]
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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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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