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 WRVCFLAGEERGRCFTIEYVMPMNTQLTSESTVNVLKMIRSATPFPLVSLFFMFIGFI LNNIGHIRPHRTILAFVSGIFFILSGLSLVVGLVLYISSINDEMLNRTKDAETYFNYKYG WSFAFAAISFLLTEVKPVTLSMDRLGLGTAPLSRGEWGWGRRDIPQPFWTPDHPLY FPSSSQNVSLSYLSGSPPARMSPGPCSCPHVHFPPHSSCVLCRPQPREMRQAPAA SPSSAVFSL	
Applications	Enzyme-linked Immunoabsorbent Assay

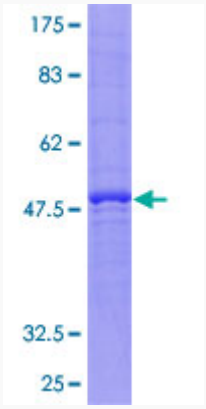
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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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