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Product datasheet for PH326950

CNGB1 (NM_001135639) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CNGB1 MS Standard C13 and N15-labeled recombinant protein (NP_001129111)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC226950
Predicted MW:	32.4 kDa
Protein Sequence:	>RC226950 representing NM_001135639 Red=Cloning site Green=Tags(s) MLGWVQRVLPQPPGTPRKTKMQEEEEVEPEPEMEAEVEPEPNPEEAETESESMPPEESFKEEEVAVADPS PQETKEAALTSTISLRAQGAEISEMNSPSRRVLTWLMKGVEKVIPQPVHSITEDPAQILGHGSTGDTGCT DEPNEALEAQDTRPGLRLLLWLEQNLERVLPQPPKSSEVWRDEPAVATGAASDPAPPGRPQEMGPKLQAR ETPSLPTPIPLQPKEEPKEAPAPEPQPGSQAQTSSLPPTRDPARLVAWVLHRLEMALPQPVLHGKIGEQE PDSPGICDVQTRVMGAGGL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001129111
RefSeq ORF:	897
Synonyms:	CNCG2; CNCG3L; CNCG4; CNG4; CNGB1B; GAR1; GARP; GARP2; RCNC2; RCNCb; RCNCbeta; RP45
Locus ID:	1258

View online »

UniProt ID: Q14028

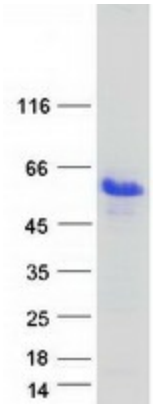
Cytogenetics: 16q21

Summary: In humans, the rod photoreceptor cGMP-gated cation channel helps regulate ion flow into the rod photoreceptor outer segment in response to light-induced alteration of the levels of intracellular cGMP. This channel consists of two subunits, alpha and beta, with the protein encoded by this gene representing the beta subunit. Defects in this gene are a cause of cause of retinitis pigmentosa type 45. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2013]

Protein Families: Druggable Genome, Ion Channels: Cyclic nucleotide gated

Protein Pathways: Olfactory transduction

Product images:



Coomassie blue staining of purified CNGB1 protein (Cat# [TP326950]). The protein was produced from HEK293T cells transfected with CNGB1 cDNA clone (Cat# [RC226950]) using MegaTran 2.0 (Cat# [TT210002]).