

# Recombinant Human CNGB1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** CNGB1-6377H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	CNGB1 MS Standard C13 and N15-labeled recombinant protein (NP_001129111) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	32.4 kDa
<b>AA Sequence</b>	MLGWVQRVLPQPPGTPRKTKMQEEEEVEPEPEMEAEVEPEPNPEEAETESMPP EESFKEEEVAVADPSPQETKEAALTSTISLRAQGAEISEMNSPSRRVLTWLMKGVEK VIPQPVHSITEDPAQILGHGSTGDTGCTDEPNEALEAQDTRPGLRLLLWLEQNLERV LPQPPKSSEVWRDEPAVATGAASDPAPPGRPQEMGPKLQARETPSLPTIPLQPKE EPKEAPAPEPQPGSQAQTSSLPPTRDPARLVAVVLHRLEMALPQPVLHGKIGEQEP DSPGICDVQTRVMGAGGLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

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<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	CNGB1 cyclic nucleotide gated channel beta 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	CNGB1
<b>Synonyms</b>	CNGB1; cyclic nucleotide gated channel beta 1; CNCG2, CNCG3L; cyclic nucleotide-gated cation channel beta-1; CNGB1B; GAR1; GARP; glutamic acid rich protein; RCNC2; RCNCb; CNG-4; CNG channel beta-1; glutamic acid-rich protein; glutamic-acid-rich protein; cyclic nucleotide-gated channel beta-1; cyclic nucleotide-gated cation channel 4; cyclic nucleotide-gated cation channel gamma; cyclic nucleotide-gated cation channel modulatory subunit; CNG4; RP45; CNCG2; CNCG4; CNCG3L; RCNCbeta;
<b>Gene ID</b>	1258
<b>mRNA Refseq</b>	NM_001135639
<b>Protein Refseq</b>	NP_001129111
<b>MIM</b>	600724

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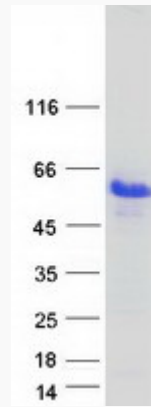
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UniProt ID

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SDS-PAGE



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