

## Recombinant Human CNGB1 Protein, MYC/DDK-tagged

Cat. No. CNGB1-3270H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CNGB1 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
<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>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	32.4 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

<b>Gene Name</b>	CNGB1 cyclic nucleotide gated channel beta 1 [ Homo sapiens ]
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<b>Official Symbol</b>	CNGB1
<b>Synonyms</b>	CNCG2; CNCG3L; CNCG4; CNG4; CNGB1B; GAR1; GARP; GARP2; RCNC2; RCNCb; RCNCbeta; RP45
<b>Gene ID</b>	1258
<b>mRNA Refseq</b>	NM_001135639
<b>Protein Refseq</b>	NP_001129111
<b>MIM</b>	600724
<b>UniProt ID</b>	Q14028

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