

Recombinant Human CNGB1 Protein, MYC/DDK-tagged

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

SPECIFICATION

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

GENE INFORMATION

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

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