

PRODUCT INFORMATION

Tag	C-Flag Tag
Expression Host	HEK293
Target	CNGB3
Synonyms	ACHM1
Description	Human CNGB3 full length protein-synthetic nanodisc
Uniprot ID	Q9NQW8
Protein Families	Ion Channels: Cyclic nucleotide gated
Protein Pathways	N/A
Molecular Weight	The human full length CNGB3 protein has a MW of 92.2kDa
Delivery	6~8weeks
Formulation & Reconstitution	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes the beta subunit of a cyclic nucleotide-gated ion channel. The encoded beta subunit appears to play a role in modulation of channel function in cone photoreceptors. This heterotetrameric channel is necessary for sensory transduction, and mutations in this gene have been associated with achromatopsia 3, progressive cone dystrophy, and juvenile macular degeneration, also known as Stargardt Disease. [provided by RefSeq, Feb 2010]
Usage	Research use only
Conjugate	Unconjugated

