PRODUCT INFORMATION

Tag	C-Flag Tag
Target	CAC1B
Synonyms	BIII, CACNL1A5, CACNN, Cav2.2, DYT23, NEDNEH
Description	Human CAC1B full length protein-synthetic nanodisc
Delivery	6~8weeks
Uniprot ID	Q00975
Expression Host	HEK293
Protein Families	Ion Channels: Calcium
Protein Pathways	N/A
Molecular Weight	The human full length CAC1B protein has a MW of 262.5kDa
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. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
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	The protein encoded by this gene is the pore-forming subunit of an N-type voltage-dependent calcium channel, which controls neurotransmitter release from neurons. The encoded protein forms a complex with alpha-2, beta, and delta subunits to form the high-voltage activated channel. This channel is sensitive to omega-conotoxin-GVIA and omega-agatoxin-IIIA but insensitive to dihydropyridines. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]
Usage	Research use only
Conjugate	Unconjugated

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