PRODUCT INFORMATION

Tag	C-Flag&Strep Tag
Target	CAC1E
Synonyms	BII, CACH6, CACNL1A6, Cav2.3, DEE69, EIEE69, gm139
Description	Human CAC1E-Strep full length protein-synthetic nanodisc
Delivery	6~8weeks
Uniprot ID	Q15878
Expression Host	HEK293
Protein Families	Ion Channels: Calcium
Protein Pathways	N/A
Molecular Weight	The human full length CAC1E-Strep protein has a MW of 261.7 kDa
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
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	Voltage-dependent calcium channels are multisubunit complexes consisting of alpha-1, alpha-2, beta, and delta subunits in a 1:1:1:1 ratio. These channels mediate the entry of calcium ions into excitable cells, and are also involved in a variety of calcium-dependent processes, including muscle contraction, hormone or neurotransmitter release, gene expression, cell motility, cell division and cell death. This gene encodes the alpha-1E subunit of the R-type calcium channels, which belong to the 'high-voltage activated' group that maybe involved in the modulation of firing patterns of neurons important for information processing. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Apr 2011]
Usage	Research use only
Conjugate	Unconjugated

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