

PRODUCT INFORMATION

Tag	C-Flag Tag
Target	CAC1S
Synonyms	CACNL1A3, CCHL1A3, Cav1.1, HOKPP, HOKPP1, MHS5, TTPP1, hypoPP
Description	Human CAC1S full length protein-synthetic nanodisc
Delivery	6~8weeks
Uniprot ID	Q13698
Expression Host	HEK293
Protein Families	Ion Channels: Calcium
Protein Pathways	N/A
Molecular Weight	The human full length CAC1S protein has a MW of 212.4kDa
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	This gene encodes one of the five subunits of the slowly inactivating L-type voltage-dependent calcium channel in skeletal muscle cells. Mutations in this gene have been associated with hypokalemic periodic paralysis, thyrotoxic periodic paralysis and malignant hyperthermia susceptibility. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

