PRODUCT INFORMATION

Tag	C-Flag Tag
Target	TRPM6
Synonyms	CHAK2, HMGX, HOMG, HOMG1, HSH
Description	Human TRPM6 full length protein-synthetic nanodisc
Delivery	6~8weeks
Uniprot ID	Q9BX84
Expression Host	HEK293
Protein Families	Ion Channels: Transient receptor potential
Protein Pathways	N/A
Molecular Weight	The human full length TRPM6 protein has a MW of 231.7kDa
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 is predominantly expressed in the kidney and colon, and encodes a protein containing an ion channel domain and a protein kinase domain. It is crucial for magnesium homeostasis, and plays an essential role in epithelial magnesium transport and in the active magnesium absorption in the gut and kidney. Mutations in this gene are associated with hypomagnesemia with secondary hypocalcemia. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Apr 2010]
Usage	Research use only
Conjugate	Unconjugated

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