PRODUCT INFORMATION

Target	KCNK9
Synonyms	BIBARS; K2p9.1; KT3.2; TASK-3; TASK3; TASK32
Description	Human KCNK9 full length protein-synthetic nanodisc
Delivery	3-4 weeks
Uniprot ID	Q9NPC2
Expression Host	HEK293
Protein Families	Druggable Genome, Ion Channels: Potassium, Transmembrane
Protein Pathways	N/A
Molecular Weight	The human full length KCNK9 protein has a MW of 42.3 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 specific instructions. Do not use solvents with pH lower than 6.5 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 a protein that contains multiple transmembrane regions and two pore-forming P domains and functions as a pH-dependent potassium channel. Amplification and overexpression of this gene have been observed in several types of human carcinomas. This gene is imprinted in the brain, with preferential expression from the maternal allele. A mutation in this gene was associated with Birk-Barel dysmorphism syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2017]
Usage	Research use only

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