Human KCAB2 full length protein-synthetic nanodisc

Cat. No. FLP100652

PRODUCT INFORMATION

Tag	**Warning**: Undefined variable $hasAttributeValueDescription in **/www/wwwroot/tech.dimabio.cn/wp-content/plugins/woocommerce-print-products/public/class-woocommerce-print-products-public.php** on line **2806** C-Flag Tag
Target	KCAB2
Synonyms	AKR6A5, HKvbeta2, HKvbeta2.1, HKvbeta2.2, KCNA2B, KV-BETA-2
Description	Human KCAB2 full length protein-synthetic nanodisc
Delivery	6~8weeks
Uniprot ID	Q13303
Expression Host	HEK293
Protein Families	Ion Channels: Other
Protein Pathways	N/A
Molecular Weight	The human full length KCAB2 protein has a MW of 41kDa
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-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes – shaker, shaw, shab, and shal – have been identified in Drosophila, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. This member is one of the beta subunits, which are auxiliary proteins associating with functional Kv-alpha subunits. This member alters functional properties of the KCNA4 gene product. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Dec 2010]
Usage	Research use only
Conjugate	Unconjugated

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