Recombinant Human KCNAB2 protein, Myc/DDK-tagged

Cat. No. KCNAB2-22H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KCNAB2 protein transcript variant 1, fused to Myc/DDK-tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
Description	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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
Molecular Mass	40.8 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration	>50 μg/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	KCNAB2
Official Symbol	KCNAB2
Synonyms	KCNAB2; potassium voltage-gated channel, shaker-related subfamily, beta member 2; voltage-gated potassium channel subunit beta-2; AKR6A5; HKvbeta2.1; HKvbeta2.2; KCNA2B; K+ channel beta-2 subunit; K(+) channel subunit beta-2; potassium channel shaker chain beta 2; HKvbeta2; KV-BETA-2; MGC117289;
Gene ID	8514
mRNA Refseq	NM_001199860
Protein Refseq	NP_001186789
MIM	601142
UniProt ID	Q13303
SDS-PAGE of KCNAB2-22H	

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