

## Recombinant Human KCNAB2 protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human KCNAB2 protein transcript variant 1, fused to Myc/DDK-tag at C-terminus, was expressed in human 293 cells (HEK293).
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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.</p>
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
<b>Molecular Mass</b>	40.8 kDa
<b>Purity</b>	>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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