

Recombinant Human KCNE2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KCNE2-2853H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KCNE2 MS Standard C13 and N15-labeled recombinant protein (NP_751951) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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. This gene encodes a member of the potassium channel, voltage-gated, Isk-related subfamily. This member is a small integral membrane subunit that assembles with the KCNH2 gene product, a pore-forming protein, to alter its function. This gene is expressed in heart and muscle and the gene mutations are associated with cardiac arrhythmia.
Molecular Mass	14.5 kDa
AA Sequence	MSTLSNFTQTLEDVFRRIFITYMDNWRQNTTAEQEALQAKVDAENFYVILYLMVMI GMFSFIIVAILVSTVKSKRREHSNDPYHQYIVEDWQEKYKSQILNLEESKATIHENIGA AGFKMSPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	KCNE2 potassium voltage-gated channel subfamily E regulatory subunit 2 [Homo sapiens (human)]
Official Symbol	KCNE2
Synonyms	KCNE2; potassium voltage-gated channel, Isk-related family, member 2; potassium voltage-gated channel subfamily E member 2; MiRP1; minK-related peptide 1; minK-related peptide-1; potassium channel subunit, MiRP1; potassium channel subunit beta MiRP1; voltage-gated K ⁺ channel subunit MIRP1; minimum potassium ion channel-related peptide 1; cardiac voltage-gated potassium channel accessory subunit 2; LQT5; LQT6; ATFB4; MIRP1; MGC138292;
Gene ID	9992
mRNA Refseq	NM_172201
Protein Refseq	NP_751951
MIM	603796

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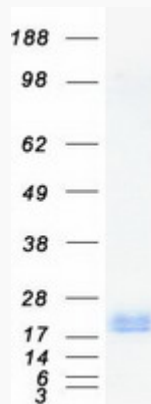
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UniProt ID

Q9Y6J6

SDS-PAGE

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