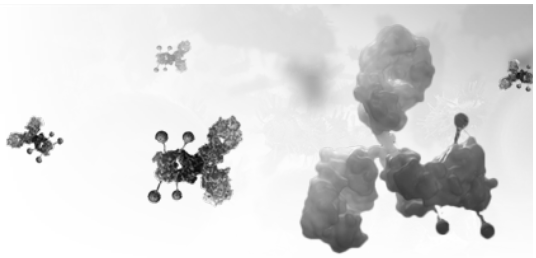

Human KCNE2 peptide (DAG-P0740)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Jul 2008]
Specificity	Highly expressed in brain, heart, skeletal muscle, pancreas, placenta, kidney, colon and thymus. A small but significant expression is found in liver, ovary, testis, prostate, small intestine and leukocytes. Very low expression, nearly undetectable, in lu
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the potassium channel KCNE family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	KCNE2 potassium voltage-gated channel, Isk-related family, member 2 [Homo sapiens (human)]

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Official Symbol	KCNE2
Synonyms	KCNE2; potassium voltage-gated channel, Isk-related family, member 2; LQT5; LQT6; ATFB4; MIRP1; potassium voltage-gated channel subfamily E member 2; 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;
Entrez Gene ID	9992
mRNA Refseq	NM_172201.1
Protein Refseq	NP_751951.1
UniProt ID	Q9Y6J6
Chromosome Location	21q22.12
Pathway	Gastric acid secretion, organism-specific biosystem; Gastric acid secretion, conserved biosystem;
Function	contributes_to delayed rectifier potassium channel activity; contributes_to inward rectifier potassium channel activity; ion channel binding; potassium channel regulator activity; protein homodimerization activity; voltage-gated potassium channel activity

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