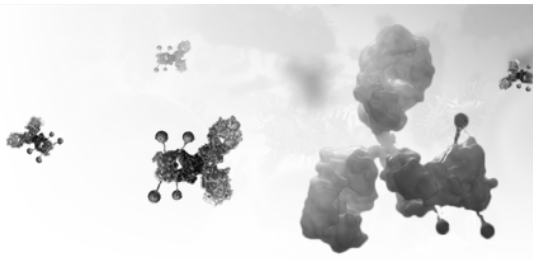

Human KCNA6 blocking peptide (DAG-P1661)

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

PRODUCT INFORMATION

Antigen Description	Potassium 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 contains six membrane-spanning domains with a shaker-type repeat in the fourth segment. It belongs to the delayed rectifier class. The coding region of this gene is intronless, and the gene is clustered with genes KCNA1 and KCNA5 on chromosome 12. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the potassium channel family. A (Shaker) (TC 1.A.1.2) subfamily. Kv1.6/KCNA6 sub-subfamily.
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	KCNA6 potassium voltage-gated channel, shaker-related subfamily, member 6 [Homo sapiens (human)]
Official Symbol	KCNA6

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Synonyms	KCNA6; potassium voltage-gated channel, shaker-related subfamily, member 6; HBK2; KV1.6; potassium voltage-gated channel subfamily A member 6; human brain potassium channel-2; voltage-gated potassium channel HBK2; voltage-gated potassium channel protein Kv1.6; voltage-gated potassium channel subunit Kv1.6;
Entrez Gene ID	3742
mRNA Refseq	NM_002235.3
Protein Refseq	NP_002226.1
UniProt ID	P17658
Chromosome Location	12p13
Pathway	Neuronal System, organism-specific biosystem; Potassium Channels, organism-specific biosystem; Voltage gated Potassium channels, organism-specific biosystem;
Function	delayed rectifier potassium channel activity; voltage-gated potassium channel activity;

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