KCNG2 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	KCNG2, Blocking Peptide
Full Product Name	KCNG2 Peptide - C-terminal region
Product Gene Name	KCNG2 blocking peptide
Product Synonym Gene Name	KCNF2; KV6.2
Sequence	Synthetic peptide located within the following region: VALSSILSGI LLMAFPVTSI FHTFSRSYSE LKEQQQRAAS PEPALQEDST
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	KCNG2 peptide (MBS3247544) is used for blocking the activity of KCNG2 antibody (MBS3222877)
Molecular Weight	51 kDa
OMIM	605696
Product Categories/Family for KCNG2 blocking peptide	Peptide
Related Product Information for KCNG2 blocking peptide	This is a synthetic peptide designed for use in combination with anti- KCNG2 Antibody, made Target 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, subfamily G. This member is a gamma subunit of the voltage-gated potassium channel. The delayed-rectifier type channels containing this subunit may contribute to cardiac action potential repolarization.
Other Notes	Small volumes of KCNG2 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for KCNG2 purchase	MBS3247544 is a blocking peptide targeting KCNG2. Also known as KCNG2 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KCNG2. It may not necessarily be applicable to this product.

NCBI GI #	6912444
NCBI GeneID	26251
NCBI Accession #	NP_036415.1
UniProt Primary Accession #	Q9UJ96
UniProt Related Accession #	Q9UJ96
GenBank Nucleotide #	NM_012283.1

NCBI Official Full Name	potassium voltage-gated channel subfamily G member 2
NCBI Official Synonym Full Names	potassium voltage-gated channel modifier subfamily G member 2
NCBI Official Symbol	KCNG2
NCBI Official Synonym Symbols	KCNF2; KV6.2
UniProt Protein Name	Potassium voltage-gated channel subfamily G member 2
UniProt Synonym Protein Names	Cardiac potassium channel subunit; Voltage-gated potassium channel subunit Kv6.2
Protein Family	Potassium voltage-gated channel subfamily
UniProt Gene Name	KCNG2
UniProt Synonym Gene Names	KCNF2
UniProt Entry Name	KCNG2_HUMAN
NCBI Protein Information	potassium voltage-gated channel subfamily G member 2
NCBI Summary for KCNG2	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, subfamily G. This member is a gamma subunit of the voltage-gated potassium channel. The delayed-rectifier type channels containing this subunit may contribute to cardiac action potential repolarization. [provided by RefSeq, Jul 2008]
UniProt Comments for KCNG2	Kv6.2: Potassium channel subunit. Modulates channel activity by shifting the threshold and the half-maximal activation to more negative values. Belongs to the potassium channel family. G (TC 1.A.1.2) subfamily. Kv6.2/KCNG2 sub-subfamily. Protein type: Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 18q23 Cellular Component: voltage-gated potassium channel complex; integral to membrane; plasma membrane Molecular Function: delayed rectifier potassium channel activity Biological Process: synaptic transmission; energy reserve metabolic process; regulation of insulin secretion; regulation of heart contraction; protein homooligomerization; potassium ion transport
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-blocking-peptide/kcng2/3247544