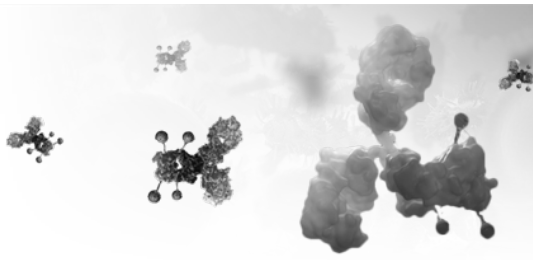

KCNK18 peptide (DAG-P0752)

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

PRODUCT INFORMATION

Antigen Description	Potassium channels play a role in many cellular processes including maintenance of the action potential, muscle contraction, hormone secretion, osmotic regulation, and ion flow. This gene encodes a member of the superfamily of potassium channel proteins containing two pore-forming P domains and the encoded protein functions as an outward rectifying potassium channel. A mutation in this gene has been found to be associated with migraine with aura.[provided by RefSeq, Jan 2011]
Specificity	Expressed specifically in dorsal root ganglion and trigeminal ganglion neurons. Detected at low levels in spinal cord.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the two pore domain potassium channel (TC 1.A.1.8) family.
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	KCNK18 potassium channel, subfamily K, member 18 [Homo sapiens (human)]
Official Symbol	KCNK18
Synonyms	KCNK18; potassium channel, subfamily K, member 18; TRIK; MGR13; TRESK; TRESK2; K2p18.1; TRESK-2; potassium channel subfamily K member 18; TWIK-related individual K+ channel; TWIK-related spinal cord K+ channel; TWIK-related individual potassium channel; TWIK-related spinal cord potassium channel;

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Entrez Gene ID	338567
mRNA Refseq	NM_181840.1
Protein Refseq	NP_862823.1
UniProt ID	Q7Z418
Chromosome Location	10q25.3
Pathway	Neuronal System, organism-specific biosystem; Potassium Channels, organism-specific biosystem; TWIK-related spinal cord K+ channel (TRESK), organism-specific biosystem; Tandem pore domain potassium channels, organism-specific biosystem;
Function	calcium-activated potassium channel activity; outward rectifier potassium channel activity; potassium channel activity;

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