



Human KCNN4 blocking peptide (DAG-P0753)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is part of a potentially heterotetrameric voltage-independent potassium channel that is activated by intracellular calcium. Activation is followed by membrane hyperpolarization, which promotes calcium influx. The encoded protein may be part of the predominant calcium-activated potassium channel in T-lymphocytes. This gene is similar to other KCNN family potassium channel genes, but it differs enough to possibly be considered as part of a new subfamily. [provided by RefSeq, Jul 2008]
Specificity	Widely expressed in non-excitabile tissues.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Applications	BL, WB
Sequence Similarities	Belongs to the potassium channel KCNN family. KCa3.1/KCNN4 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	KCNN4 potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4 [Homo sapiens (human)]
Official Symbol	KCNN4

Synonyms	KCNN4; potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4; IK1; SK4; KCA4; hSK4; IKCA1; hKCa4; KCa3.1; hIKCa1; intermediate conductance calcium-activated potassium channel protein 4; SKCa4; SKCa 4; putative Gardos channel; putative erythrocyte intermediate conductance calcium-activated potassium Gardos channel;
Entrez Gene ID	3783
mRNA Refseq	NM_002250.2
Protein Refseq	NP_002241.1
UniProt ID	O15554
Chromosome Location	19q13.2
Pathway	Ca2+ activated K+ channels, organism-specific biosystem; Insulin secretion, organism-specific biosystem; Neuronal System, organism-specific biosystem; Potassium Channels, organism-specific biosystem; Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem; Salivary secretion, organism-specific biosystem; Salivary secretion, conserved biosystem;
Function	Intermediate conductance calcium-activated potassium channel activity; calcium-activated potassium channel activity; calmodulin binding; protein binding; protein phosphatase binding; NOT small conductance calcium-activated potassium channel activity;