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Recombinant human KCNA3 protein, N-Trx&His

Catalog Number:	bs-42284P
Concentration:	>1mg/ml
Species:	Human
AA Seq:	1-234/575
Predicted MW:	44.5
Tags:	N-Trx&His
Endotoxin:	Not analyzed
Purity:	>90% as determined by SDS-PAGE
Purification:	affinity purified by Protein A
Storage:	Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.
Background:	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, members of which allow nerve cells to efficiently repolarize
	following an action potential. It plays an essential role in T-cell proliferation and activation.
	This gene appears to be intronless and it is clustered together with KCNA2 and KCNA10
	genes on chromosome 1. [provided by RefSeq, Jul 2008].

VALIDATION IMAGES



The purity of the protein is greater than 90% as determined by reducing SDS-PAGE.