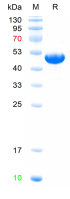
www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

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.