PRODUCT INFORMATION

C-Flag Tag Tag **Target** KCNG3

Synonyms KV10.1, KV6.3

Human KCNG3 full length protein-synthetic Description

nanodisc **Delivery** 6~8weeks **Uniprot ID** Q8TAE7 **Expression Host HEK293**

Protein Families Ion Channels: Other

Protein Pathways N/A

Background

The human full length KCNG3 protein has a MW of **Molecular Weight**

49.6kDa

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before Formulation & Reconstitution lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping Lyophilized proteins are shipped at ambient

temperature.

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 functioning as a modulatory molecule. Alternative splicing results in two transcript variants encoding distinct

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isoforms. [provided by RefSeq, Jul 2008]

Usage Research use only Conjugate Unconjugated

