

PRODUCT INFORMATION

KCNG3 **Target**

Synonyms KV10.1, KV6.3

Human KCNG3 full length protein-synthetic **Description**

nanodisc 6~8weeks

Delivery Uniprot ID Q8TAE7 **Expression Host HEK293**

Protein Families Ion Channels: Other

Protein Pathways

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% trialose is added as protectants before Formulation & Reconstitution lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with

pH lower than 6.5 in subsequent experiments. 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 Storage & Shipping at -80°C (Avoid repeated freezing and thawing).

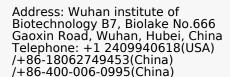
Lyophilized proteins are shipped at ambient

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 isoforms. [provided by RefSeq, Jul 2008]

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