

KCNG3 (Human) Recombinant Protein (Q01)

Catalog # H00170850-Q01

Size 25 ug, 10 ug

Applications



Specification

| | |
|-------------------------|---|
| Product Description | Human KCNG3 partial ORF (NP_579875, 23 a.a. - 121 a.a.) recombinant protein with GST-tag at N-terminal. |
| Sequence | SRELLKDFPLRRVSR LHGCRSERDVLEV CDDYDRERNEYFFDRHSEAFGFILLYVRGHGKLRFAP RMCELSFYNEMIYWGLEG AHLEYCCQRR LDDRMS |
| Host | Wheat Germ (in vitro) |
| Theoretical MW (kDa) | 36.63 |
| Preparation Method | in vitro wheat germ expression system |
| Purification | Glutathione Sepharose 4 Fast Flow |
| Quality Control Testing | 12.5% SDS-PAGE Stained with Coomassie Blue. |
| Storage Buffer | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| Storage Instruction | Store at -80°C. Aliquot to avoid repeated freezing and thawing. |
| Note | Best use within three months from the date of receipt of this protein. |

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — KCNG3

Entrez GeneID [170850](#)

GeneBank Accession# [NM_133329](#)

Protein Accession# [NP_579875](#)

Gene Name KCNG3

Gene Alias KV10.1, KV6.3

Gene Description potassium voltage-gated channel, subfamily G, member 3

Omim ID [606767](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations OTTHUMP00000158764|voltage-gated potassium channel 6.3|voltage-gated potassium channel Kv10.1|voltage-gated potassium channel subunit Kv6.4