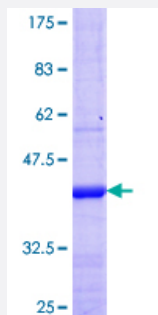


KCNV1 (Human) Recombinant Protein (Q01)

Catalog # H00027012-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human KCNV1 partial ORF (NP_055194.1, 26 a.a. - 124 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	FCSEGEGEPLALGDCFTVNVGGSRFVLSQQALSCFPHTRLGKLAVVVASYRRPGALAAVPSPLE LCDDANPVDNEYFFDRSSQAFRYVLHYYRTGRLHV
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 — KCNV1

Entrez GeneID [27012](#)

GeneBank Accession# [NM_014379](#)

Protein Accession# [NP_055194.1](#)

Gene Name KCNV1

Gene Alias HNKA, KCNB3, KV2.3, KV8.1

Gene Description potassium channel, subfamily V, member 1

Omim ID [608164](#)

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 voltage-gated channel subfamily V. This protein is essentially present in the brain, and its role might be to inhibit the function of a particular class of outward rectifier potassium channel types. [provided by RefSeq]

Other Designations neuronal potassium channel alpha subunit|potassium channel Kv8.1