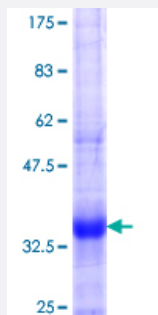


KCNH6 (Human) Recombinant Protein (Q01)

Catalog # H00081033-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human KCNH6 partial ORF (NP_110406.1, 31 a.a. - 110 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	IANAQMENCAIYCNDGFCELFGYSRVEVMQQPCTCDFLTGPNTPSSAVSRLAQALLGAEECKVDI LYYRKDASSFRCLV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	34.54
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 — KCNH6

Entrez GeneID [81033](#)

GeneBank Accession# [NM_030779](#)

Protein Accession# [NP_110406.1](#)

Gene Name KCNH6

Gene Alias ERG2, HERG2, Kv11.2

Gene Description potassium voltage-gated channel, subfamily H (eag-related), member 6

Omim ID [608168](#)

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 H. This member is a pore-forming (alpha) subunit. Several alternatively spliced transcript variants have been identified from this gene, but the full-length nature of only two transcript variants has been determined. [provided by RefSeq]

Other Designations eag related protein 2|eag-related gene member 2|ether-a-go-go related gene potassium channel 2|potassium voltage-gated channel, subfamily H, member 6