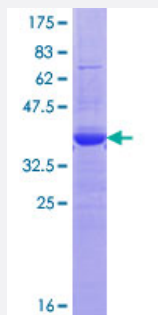


KCNH7 (Human) Recombinant Protein (Q01)

Catalog # H00090134-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human KCNH7 partial ORF (NP_775185.1, 132 a.a. - 230 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	VTDNENAATPERVNPILPIKTVNRKFFGFKFPGLRVLTyrKQSLPQEDPDVVVIDSSKHSDDSVAM KHFKSPTKESCSPSEADDTKALIQPSKCSPLVN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (95); Rat (92)
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 — KCNH7

Entrez GeneID [90134](#)

GeneBank Accession# [NM_173162](#)

Protein Accession# [NP_775185.1](#)

Gene Name KCNH7

Gene Alias ERG3, HERG3, Kv11.3, MGC45986

Gene Description potassium voltage-gated channel, subfamily H (eag-related), member 7

Omim ID [608169](#)

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. There are at least two alternatively spliced transcript variants derived from this gene and encoding distinct isoforms. [provided by RefSeq]

Other Designations eag related protein 3|ether-a-go-go related gene potassium channel 3|potassium channel subunit HERG-3|potassium voltage-gated channel, subfamily H, member 7

Disease

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- [Diabetes Mellitus](#)

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