

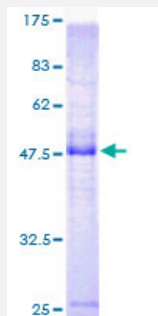
## Full-Length

# KCNE4 (Human) Recombinant Protein (P01)

Catalog # H00023704-P01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human KCNE4 full-length ORF ( AAH14429, 1 a.a. - 170 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	MLKMEPLNSTHPGTAASSSPLESRAAGGGSGNGNEYFYILVMSFYGIFLIGIMLGYMKSRRREKK SSLLLLYKDEERLWGEAMKPLPVVSGLRVQVPLMLNMLQESVAPALSCTLCSMEGDSVSSSES SSPDVHLTIQEEGADEEELEETSETPLNESSEGSSSENIHQNS
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	44.44
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	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 — KCNE4

Entrez GeneID	<a href="#">23704</a>
GeneBank Accession#	<a href="#">BC014429</a>
Protein Accession#	<a href="#">AAH14429</a>
Gene Name	KCNE4
Gene Alias	MGC20353, MIRP3
Gene Description	potassium voltage-gated channel, Isk-related family, member 4
Omim ID	<a href="#">607775</a>
Gene Ontology	<a href="#">Hyperlink</a>
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, isk-related subfamily. This member is a type I membrane protein, and a beta subunit that assembles with a potassium channel alpha-subunit to modulate the gating kinetics and enhance stability of the multimeric complex. This gene is prominently expressed in the embryo and in adult uterus. [provided by RefSeq]
Other Designations	MINK-related peptide 3 cardiac voltage-gated potassium channel accessory subunit 4 minimum potassium ion channel-related peptide 3 potassium voltage-gated channel subfamily E member 4

## Disease

- [Atrial Fibrillation](#)