

Full-Length

KCNE1L (Human) Recombinant Protein (P01)

Catalog # H00023630-P01

Size 50 ug

Specification

Product Description	Human KCNE1L full-length ORF (BAG37431.1, 1 a.a. - 142 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MNCSESQRLRTLISRLLLELHHRGNASGLGAGPRPSMGMGVVPDPFVGREVTSAKGDDAYLYIL LIMIFYACLAGGLILAYTRSRKLVEAKDEPSQACAEHEWAPGGALTADAEAAAGSQAEGRRQLAS EGLPALAQAERV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	42.02
Interspecies Antigen Sequence	Mouse (80); Rat (79)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
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 — KCNE1L

Entrez GeneID [23630](#)

GeneBank Accession# [AK314923.1](#)

Protein Accession# [BAG37431.1](#)

Gene Name KCNE1L

Gene Alias KCNE5

Gene Description KCNE1-like

Omim ID [300328](#)

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 membrane protein which has sequence similarity to the KCNE1 gene product, a member of the potassium channel, voltage-gated, Isk-related subfamily. This intronless gene is deleted in AMME contiguous gene syndrome and may be involved in the cardiac and neurologic abnormalities found in the AMME contiguous gene syndrome. [provided by RefSeq]

Other Designations AMMECR2 protein|OTTHUMP00000023845|cardiac voltage-gated potassium channel accessory subunit 5|potassium voltage-gated channel subfamily E member 1-like protein|potassium voltage-gated channel, Isk-related family, member 1-like|voltage-gated potassium cha

Disease

- [Atrial Fibrillation](#)
- [Long QT syndrome](#)