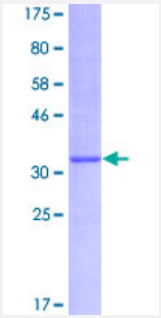
Full-Length

KCNE1 (Human) Recombinant Protein (P01)

Catalog # H00003753-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human KCNE1 full-length ORF (AAH36452, 1 a.a. - 105 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MILSNTTAVTPFLTKLWQETVQQGGNMSGLAHRSPRSGDGKLEALYVLMVLGFFGFFTLGIMLSYI RSKKLEHSNDPFNVYIESDAWQEKDKAYVQARVLESYRS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.29
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 — KCNE1

Entrez GeneID	3753
GeneBank Accession#	BC036452
Protein Accession#	AAH36452
Gene Name	KCNE1
Gene Alias	FLJ18426, FLJ38123, FLJ94103, ISK, JLNS, JLNS2, LQT2/5, LQT5, MGC33114, MinK
Gene Description	potassium voltage-gated channel, Isk-related family, member 1
Omim ID	176261 220400
Gene Ontology	Hyperlink
Gene Summary	The product of this gene belongs to the potassium channel KCNE family. Potassium ion channels are essential to many cellular functions and show a high degree of diversity, varying in their electro physiologic and pharmacologic properties. This gene encodes a transmembrane protein known t o associate with the product of the KVLQT1 gene to form the delayed rectifier potassium channel. Mutation in this gene are associated with both Jervell and Lange-Nielsen and Romano-Ward form s of long-QT syndrome. Alternatively spliced transcript variants encoding the same protein have b een identified. [provided by RefSeq
Other Designations	IKs producing slow voltage-gated potassium channel subunit beta Mink|OTTHUMP00000108623| OTTHUMP00000108625|OTTHUMP00000108626|cardiac delayed rectifier potassium channel p rotein|delayed rectifier potassium channel subunit IsK|minimal potassium channel|pot

Disease

- Arrhythmia
- Arrhythmias
- Atrial Fibrillation
- Atrioventricular Block
- Brugada Syndrome
- Cardiomyopathies
- Cardiovascular Diseases
- Channelopathies
- Chromosome Deletion
- Cognition
- Death
- Diabetes Mellitus
- Edema
- Gastroparesis
- Genetic Predisposition to Disease
- Hearing Loss
- Heart Arrest
- Heart Block
- Heart Valve Diseases
- Hyperparathyroidism
- Long QT syndrome
- Meniere Disease
- Myocardial Infarction
- Romano-Ward Syndrome
- Schizophrenia
- Sudden Infant Death
- Syncope

- Syndrome
- Torsades de Pointes
- Ventricular Dysfunction