Proteoliposomes Full-Length

KCNH2 (Human) Recombinant Protein

Catalog # H00003757-G01 Size 2 ug

Specification

Product Description	Human KCNH2 full-length ORF (AAI67862.1) recombinant protein without tag. This product is belong to Proteoliposome (PL).
Sequence	MAAPAGKASRTGALRPRAQKGRVRRAVRISSLVAQEVLSLGADVLPEYKLQAPRIHRWTILHYSP FKAVWDWLILLLVIYTAVFTPYSAAFLLKETEEGPPATECGYACQPLAVVDLIVDIMFIVDILINFRTTY VNANEEVVSHPGRIAVHYFKGWFLIDMVAAIPFDLLIFGSGSEELIGLLKTARLLRLVRVARKLDRYS EYGAAVLFLLMCTFALIAHWLACIWYAIGNMEQPHMDSRIGWLHNLGDQIGKPYNSSGLGGPSIKD KYVTALYFTFSSLTSVGFGNVSPNTNSEKIFSICVMLIGSLMYASIFGNVSAIIQRLYSGTARYHTQML RVREFIRFHQIPNPLRQRLEEYFQHAWSYTNGIDMNAVLKGFPECLQADICLHLNRSLLQHCKPFR GATKGCLRALAMKFKTTHAPPGDTLVHAGDLLTALYFISRGSIEILRGDVVVAILGKNDIFGEPLNLY ARPGKSNGDVRALTYCDLHKIHRDDLLEVLDMYPEFSDHFWSSLEITFNLRDTNMIPGSPGSTELE GGFSRQRKRKLSFRRRTDKDTEQPGEVSALGPGRAGAGPSSRGRPGGPWGESPSSGPSSPES SEDEGPGRSSSPLRLVPFSSPRPPGEPPGGEPLMEDCEKSSDTCNPLSGAFSGVSNIFSFWGD SRGRQYQELPRCPAPTPSLLNIPLSSPGRRPRGDVESRLDALQRQLNRLETRLSADMATVLQLLQ RQMTLVPPAYSAVTTPGPGPTSTSPLLPVSPLPTLTLDSLSQVSQFMACEELPPGAPELPQEGPT RRLSLPGQLGALTSQPLHRHGSDPGS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	90.09999999999989
Interspecies Antigen Sequence	Mouse (96); Rat (96)
Form	Liquid
Preparation Method	*in vitro* wheat germ expression system with proprietary liposome technology
Purification	None
Recommend Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
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.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Applications

- Antibody Production

Gene Info — KCNH2

Entrez GeneID	3757
GeneBank Accession#	BC167862.1
Protein Accession#	AAI67862.1
Gene Name	KCNH2
Gene Alias	ERG1, HERG, HERG1, Kv11.1, LQT2, SQT1
Gene Description	potassium voltage-gated channel, subfamily H (eag-related), member 2
Omim ID	152427 609620
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a voltage-activated potassium channel belonging to the eag family. It shares s equence similarity with the Drosophila ether-a-go-go (eag) gene. Mutations in this gene can caus e long QT syndrome type 2 (LQT2). Transcript variants encoding distinct isoforms have been iden tified. [provided by RefSeq
Other Designations	cause of Long QT Syndrome Type 2|ether-a-go-go-related potassium channel protein|human eag-related|potassium channel HERG|potassium channel HERG1|potassium voltage-gated channel, s ubfamily H, member 2|voltage-gated potassium channel|voltage-gated potassiu

Disease

- Arrhythmia
- Arrhythmias
- Asymptomatic Diseases
- Atrial Fibrillation
- Atrioventricular Block
- Bradycardia
- Brugada Syndrome

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Cardiomyopathies
- Cardiovascular Diseases
- Channelopathies
- Chromosome Deletion
- Cognition
- Death
- Diabetes Mellitus
- Disease Progression
- Drowning
- Edema
- Gastrointestinal Diseases
- Gastroparesis
- Genetic Predisposition to Disease
- Heart Arrest
- Heart Block
- Heart Defects
- Hypertension
- Long QT syndrome
- Romano-Ward Syndrome
- Schizophrenia
- Sleep
- Sudden Infant Death
- Syncope
- Syndrome
- Tachycardia
- Torsades de Pointes

Copyright © 2023 Abnova Corporation. All Rights Reserved.