

Proteoliposomes

Full-Length

KCNJ9 (Human) Recombinant Protein

Catalog # H00003765-G01

Size 10 ug

Specification

Product Description

Human KCNJ9 full-length ORF (AAI67777.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MAQENAAFSPGQEEPPRRRGRQRYVEKDGRGNVQQGNVRETYRYLTDLFTTLVDLQWRLSLLFF
VLAYALTWLFFGAMWWLIAYGRGDLEHLEDTAWTPCVNNLNGFVA AFLFSIETETTIGYGHRVITDQ
CPEGVLLLLQAILGSMVNAFMVGC MFVKISQPNKRAATLVFSSHAVVSLRDGRCLCMFRVGDLR
SSHIVEASIRAKLIRSRQTLEGEFIPLHQTDL SVGFDTGDDRLFLV SPLVISHEIDAASPFWEASRRRA
LERDDFENVILEGMVEATGMT CQARSSYL VDEV LWGHRFTSVLTLEDGFYEVDYASFHETFEVP
TPSCSARELAEEAAARLDAHLYWSIP SRLDEKVEEEGAGEGAGGEAGADKEQNGCLPPPESESK
V

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

43.3

Interspecies Antigen Sequence

Mouse (99); Rat (99)

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.

Applications

- Antibody Production

Gene Info — KCNJ9

Entrez GeneID [3765](#)

GeneBank Accession# [BC167777.1](#)

Protein Accession# [AAI67777.1](#)

Gene Name KCNJ9

Gene Alias GIRK3, KIR3.3

Gene Description potassium inwardly-rectifying channel, subfamily J, member 9

Omim ID [600932](#)

Gene Ontology [Hyperlink](#)

Gene Summary Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. The encoded protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, is controlled by G-proteins. It associates with another G-protein-activated potassium channel to form a heteromultimeric pore-forming complex. [provided by RefSeq]

Other Designations G protein-activated inward rectifier potassium channel 3|G protein-coupled inward rectifier potassium channel|OTTHUMP00000025747|inwardly rectifier K+ channel KIR3.3|potassium inwardly-rectifying channel subfamily J9

Disease

- [Diabetes Mellitus](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Migraine with Aura](#)