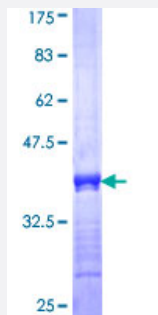


KCNJ16 (Human) Recombinant Protein (Q01)

Catalog # H00003773-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human KCNJ16 partial ORF (NP_061128, 319 a.a. - 416 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KYYKVNCLQFEGSVEVYAPFCSAKQLDWKDQQLHIEKAPPVRESCTSDTKARRRSFSAVAIVSS CENPEETTTSATHEYRETPYQKALLTLNRISVES
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Interspecies Antigen Sequence	Mouse (80); Rat (81)
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 — KCNJ16

Entrez GeneID [3773](#)

GeneBank Accession# [NM_018658](#)

Protein Accession# [NP_061128](#)

Gene Name KCNJ16

Gene Alias BIR9, KIR5.1, MGC33717

Gene Description potassium inwardly-rectifying channel, subfamily J, member 16

Omim ID [605722](#)

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, can form heterodimers with two other inward-rectifier type potassium channels. It may be involved in the regulation of fluid and pH balance. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Other Designations inward rectifier K⁺ channel KIR5.1|potassium inwardly-rectifying channel J16

Disease

- [Celiac Disease](#)
- [Genetic Predisposition to Disease](#)

- [Tobacco Use Disorder](#)