

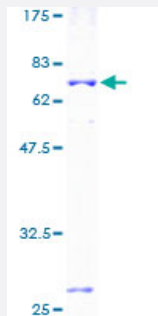
Full-Length

KCNJ15 (Human) Recombinant Protein (P01)

Catalog # H00003772-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human KCNJ15 full-length ORF (AAH13327, 1 a.a. - 375 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDAIHIGMSSTPLVKHTAGAGLKANRPRVMSKSGHSNVRIDKVDGYLLYLQDLWTTVIDMKWRYK
LTLFAATFVMTWFLFGVIYYAIAFIHGDLEPGEPISNHTPCIMKVDSLTTGAFLFSLESQTTIGYGVRSIT
EECPHAIFLLVAQLVITTLIEFITGTFLAKIARPKKRAETIKFSHCAVITKQNGKLCLVIQVANMRKSLLI
QCQLSGKLLQTHVTKEGERILLNQATVKFHVDSSSESPFLIPMTFYHVLDETSPLRDLTPQNLKE
KEFELVLLNATVESTSAVCQSRTSYPEEVYWGFEFVPVVSLSKNGKYVADFSQFEQIRKSPDC
TFYCADSEKQQLLEEKYRQEDQRERELRTLTLQSSNV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

66.99

Interspecies Antigen Sequence

Mouse (96); Rat (96)

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 — KCNJ15

Entrez GeneID[3772](#)**GeneBank Accession#**[BC013327](#)**Protein Accession#**[AAH13327](#)**Gene Name**

KCNJ15

Gene Alias

IRKK, KIR1.3, KIR4.2, MGC13584

Gene Description

potassium inwardly-rectifying channel, subfamily J, member 15

Omim ID[602106](#)**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 has a greater tendency to allow potassium to flow into a cell rather than out of a cell. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Other Designations

ATP-sensitive inward rectifier potassium channel 15|OTTHUMP00000115739|OTTHUMP00000115740|inward rectifier K+ channel KIR4.2|potassium inwardly-rectifying channel J15

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)