Recombinant Human KCNJ15

Cat. No. KCNJ15-28454TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human KCNJ15 with N-terminal proprietary tag. Predicted MW 32.89 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	66 amino acids
Description	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.
Molecular Weight	32.890kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences of amino acids	TSAVCQSRTSYIPEEIYWGFEFVPVVSLSKNGKYVADFSQFEQIRKSPDCTFYCADSEKQQLEEKY
Sequence Similarities	Belongs to the inward rectifier-type potassium channel (TC 1.A.2.1) family. KCNJ15 subfamily.

GENE INFORMATION

Gene Name	KCNJ15 potassium inwardly-rectifying channel, subfamily J, member 15 [Homo sapiens]
Official Symbol	KCNJ15
Synonyms	KCNJ15; potassium inwardly-rectifying channel, subfamily J, member 15; ATP-sensitive inward rectifier potassium channel 15; IRKK; Kir1.3; Kir4.2;
Gene ID	3772
mRNA Refseq	NM_002243
Protein Refseq	NP_002234
MIM	602106
Uniprot ID	Q99712
Chromosome Location	21q22.2
Pathway	Activation of G protein gated Potassium channels, organism-specific biosystem; Activation of GABAB receptors, organism-specific biosystem; G protein gated

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	Potassium channels, organism-specific biosystem; GABA B receptor activation, organism-specific biosystem; GABA receptor activation, organism-specific biosystem;
Function	inward rectifier potassium channel activity; potassium channel activity; voltage-gated ion channel activity;

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