

## Recombinant Human KCNJ12, GST-tagged

Cat. No. KCNJ12-252H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human KCNJ12 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	182-433aa
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

### GENE INFORMATION

<b>Gene Name</b>	KCNJ12 potassium inwardly-rectifying channel, subfamily J, member 12 [ Homo sapiens ]
<b>Official Symbol</b>	KCNJ12
<b>Synonyms</b>	KCNJ12; potassium inwardly-rectifying channel, subfamily J, member 12; KCNJN1, potassium inwardly rectifying channel, subfamily J, inhibitor 1; ATP-sensitive inward rectifier potassium channel 12; hIRK1; IRK2; Kir2.2; Kir2.2v; inward rectifier K(+)

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channel Kir2.2; inward rectifier K(+) channel Kir2.6; inward rectifier K(+) channel Kir2.2v; potassium channel, inwardly rectifying subfamily J member 12; potassium inwardly-rectifying channel, subfamily J, inhibitor 1; hIRK; IRK-2; KCNJN1; kcnj12x; hkir2.2x; FLJ14167;

**Gene ID** [3768](#)

**mRNA Refseq** [NM\\_021012](#)

**Protein Refseq** [NP\\_066292](#)

**MIM** [602323](#)

**UniProt ID** [Q14500](#)

**Chromosome Location** 17p11.1

**Pathway** Activation of G protein gated Potassium channels, organism-specific biosystem; Activation of GABAB receptors, organism-specific biosystem; Cholinergic synapse, organism-specific biosystem; Classical Kir channels, organism-specific biosystem; G protein gated Potassium channels, organism-specific biosystem; GABA B receptor activation, organism-specific biosystem; GABA receptor activation, organism-specific biosystem;

**Function** PDZ domain binding; inward rectifier potassium channel activity; ion channel inhibitor activity; potassium channel regulator activity; voltage-gated ion channel activity;

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