

Recombinant Human KCNJ12, GST-tagged

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

SPECIFICATION

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

GENE INFORMATION

Gene Name	KCNJ12 potassium inwardly-rectifying channel, subfamily J, member 12 [Homo sapiens]
Official Symbol	KCNJ12
Synonyms	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;