

Recombinant Human KCNJ12 protein, His-tagged

Cat. No. KCNJ12-3415H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KCNJ12 protein(182-433 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	182-433 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	AKMARPKKRAQTLLFSHNAVVALRDGKLCLMWRVGNLRKSHIVEAHVRAQLIKPRV TEEGEYIPLDQIDIDVGFDKGLDRIFLVSPITILHEIDEASPLFGISRQDLETDDFEIVVIL EGMVEATAMTTQARSSYLANEILWGHRFEPVLFEEKNQYKIDYSHFHKTYEVPSTPR CSAKDLVENKFLLPSANSFCYENELAFLSRDEEDEADGDQDGRSRDGLSPQARHDF DRLQAGGGVLEQRPYRRESEI
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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Reconstitution	Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.
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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(+) 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

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