

Recombinant Full Length Human Atp-Sensitive Inward Rectifier Potassium Channel 12(Kcnj12) Protein, His-Tagged

Cat. No. RFL13428HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ATP-sensitive inward rectifier potassium channel 12(KCNJ12) Protein (Q14500) (1-433aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Full Length (1-433)
Form	Lyophilized powder
AA Sequence	MTAASRANPYSIVSSEEDGLHLVTMSGANGFGNGKVHTRRRRCRNRFVKKNGQCNI EFANM DEKSQRYLADMFTTCVDIRWRYMLLIFSLAFLASWLLFGIIFWVIAVAHGDLE PAEGRGR TPCVMQVHGFMAAFLFSIETQTTIGYGLRCVTEECPVAVFMVVAQSIVG CIIDSFMIGAI MAKMARPKKRAQTLLFSHNAVVALRDGKLCMLMWRVGNLRKSHIVEA HVRAQLIKPRVTEE GEYIPLDQIDIDVGFDKGLDRIFLVSPITILHEIDEASPLFGISRQD LETDDFEIVILE GMVEATAMTTQARSSYLANEILWGHRFEPVLFEEKNQYKIDYSHF HKTYEVPSTPRCSAK DLVENKFULLPSANSFCYENELAFLSRDEEDEADGDQDGRSR DGLSPQARHDFDRLQAGGG VLEQRPYRRESEI
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C

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for up to one week.

Storage

Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Storage Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name

KCNJ12

Synonyms

KCNJ12; IRK2; KCNJN1; ATP-sensitive inward rectifier potassium channel 12; Inward rectifier K(+ channel Kir2.2; IRK-2; Inward rectifier K(+ channel Kir2.2v; Potassium channel, inwardly rectifying subfamily J member 12

UniProt ID

[Q14500](https://www.uniprot.org/entry/Q14500)

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