

Recombinant Full Length Pig G Protein-Activated Inward Rectifier Potassium Channel 4(Kcnj5) Protein, His-Tagged

Cat. No. RFL30746SF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Pig G protein-activated inward rectifier potassium channel 4(KCNJ5) Protein (O02670) (1-419aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Sus scrofa (Pig)
Source	E.coli
ProteinLength	Full Length (1-419)
Form	Lyophilized powder
AA Sequence	MAGDSRNAMNQDMEIGVTPRDPKKIPKQARDYIPIATDRTRLLAEGKKPRQRYMEK SGKC NVHHGNVQETYRYLSDLFTTLVDLKWRFNLLVFTMVYTVTWLFFGFIWWLIA YIRGDLDH VGDQEWIPCVENLSGFVSAFLFSIETETTIGYGFRVITEKCPEGIVLLLVQ AILGSIVNA FMVGCMFVKISQPKKRAETLMFSNHAVISLRDEKLCLMFRVGDLRNSHI VEASIRAKLIK SRQTKEGEFIPLNQTDINVGFDTGDDRLFLVSPLIISHEINEKSPFWE MSRAQLNQEEFE VVILEGMVEATGMTQCQARSSYMDTEVLWGHRFTPVLTLEKGF YEV DYNTFHDTYETNTP SCCAKELAEMKREGRLQLPSPPLPGGCAGAELEAEAE QEGEDEPEGLRGSRETRDSV
Purity	Greater than 90% as determined by SDS-PAGE.
Applications	SDS-PAGE

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C 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	KCNJ5
Synonyms	KCNJ5; G protein-activated inward rectifier potassium channel 4; GIRK-4; Cardiac inward rectifier; CIR; Heart KATP channel; Inward rectifier K(+) channel Kir3.4; KATP-1; Potassium channel, inwardly rectifying subfamily J member 5
UniProt ID	O02670

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