

Recombinant Full Length Mouse G Protein-Activated Inward Rectifier Potassium Channel 1(Kcnj3) Protein, His-Tagged

Cat. No. RFL26671MF Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Full Length Mouse G protein-activated inward rectifier potassium channel 1(Kcnj3) Protein (P63250) (1-501aa), fused to N-terminal His tag, was expressed in E. coli.

Species Mus musculus

Source E.coli

ProteinLength Full Length (1-501)

Form Lyophilized powder

AA Sequence

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MSALRRKFGDDYQVVTTSSSGSGLQPQGGPQQQLVPKKRQRFVDKNGRCN
VQHGNL GSETSRYLSDLFTLLVDLKWWRNLFIFILTYTVAWLFMASMWWWIAYTRG
DLNKAHVGNYPVCVANVYNFPSAFLFFIETEATIGYGYRYITDKCPEGIILFLFQSILG
SIVDAFLIGCM FIKMSQPKKRAETLMFSEHAVISM RDGKLTLMFRVGNLRNSHMVSA
QIRCKLLKSRQTPE GEFLPLDQLELDVGFSTGADQLFLVSPLTICHVIDAKSPFYDLS
QRSMQTEQFEVVILE GIVETTGMTQCARTSYTEDEVLWGHRRFFPVISLEEGFFKV
DYSQFHATFEVPTPPYSVKE QEEMLLMSSPLIAPAITNSKERHNSVECLDGLDDIST
KLPSKLQKITGREDFPKLLRMS STTSEKAYSLGDLPMKLRISVPGNSEEKLVSK
TTKMLSDPMSQSVADLPPKLQKMAGG PTRMEGNLPAKLRKMNSDRFT
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Purity Greater than 90% as determined by SDS-PAGE.

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|-------------------------|---|
| Applications | SDS-PAGE |
| 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 multiple 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 | Kcnj3 |
| Synonyms | Kcnj3; Girk1; G protein-activated inward rectifier potassium channel 1; GIRK-1; Inward rectifier K(+ channel Kir3.1; Potassium channel, inwardly rectifying subfamily J member 3 |
| UniProt ID | P63250 |

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