

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

Cat. No. RFL30885RF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rat G protein-activated inward rectifier potassium channel 1(Kcnj3) Protein (P63251) (1-501aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Full Length (1-501)
Form	Lyophilized powder
AA Sequence	MSALRRKFGDDYQVVTSSSGSGLQPQGPQGPPQQQLVPKKKRQRFVDKNGRCN VQHGNL GSETSRYLSDLFTTLVDLKWRWNLFIFILTYTVAWLFMASMWWWIAYTRG DLNKAHVGNYPVCVANVYNFPSAFLFFIETEATIGYGYRYITDKCEGIILFLFQSILG SIVDAFLIGCM FIKMSQPKKRAETLMFSEHAVISM RDGKLTLMFRVGNLRN SHMVSA QIRCKLLKSRQTPE GEFLPLDQLELDVGFSTGADQLFLVSPLTICHVIDAKSPFYDLS QRSMQTEQFEVVILE GIVETTGMTQCARTSYTEDEV LWGHRFFPVISLEEGFFKV DYSQFHATFEVPTPPYSVKE QEEMLLMSSPLIAPAITNSKERHNSVECLDGLDDIST KLPSKLQKITGREDFPKKLLRMS STTSEKAYSLGDLPMKLQRISSVPGNSEEKLVSK TTKMLSDPMSQSVADLPPKLQKMAGG PTRMEGNLPAKLRKMNSDRFT
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 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	Kcnj3
Synonyms	Kcnj3; Girk1; Kga; G protein-activated inward rectifier potassium channel 1; GIRK-1; Inward rectifier K(+) channel Kir3.1; KGA; KGB1; Potassium channel, inwardly rectifying subfamily J member 3
UniProt ID	P63251