

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

Cat. No. RFL31222HF Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Full Length Human G protein-activated inward rectifier potassium channel 1(KCNJ3) Protein (P48549) (1-501aa), fused to N-terminal His tag, was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Full Length (1-501) |
| Form | Lyophilized powder |
| AA Sequence | MSALRRKFGDDYQVVTTSSSGSGLQPQGGQDPQQQLVPKKRQRFVDKNGRCN VQHGNL GSETSRYLSDLFTTLVDLKWRWNLFIILTYYTVAWLFMASMWWWIAYTRG DLNKAHVGNYPVCVANVYNFPSAFLFFIETEATIGYGYRYITDKCPEGIILFLFQSILG SIVDAFLIGCM FIKMSQPKKRAETLMFSEHAVISM RDGKLTLMFRVGNLRNSHMVSA QIRCKLLKSRQTPE GEFLPLDQLELDVGFSTGADQLFLVSPLTICHVIDAKSPFYDLS QRSMQTEQFEIVVILE GIVETTGMTQCARTSYTEDEVLWGHRRFFPVISLEEGFFKVD YSQFHATFEVPTPPYSVKE QEEMLLMSSPLIAPAITNSKERHNSVECLDGLDDITTKL PSKLQKITGREDFPKLLRMS STTSEKAYSLGDLPMKLRISVPGNSEEKLVSKTT KMLSDPMSQSVADLPPKLQKMAGG AARMEGNLPAKLRKMNSDRFT |
| Purity | Greater than 90% as determined by SDS-PAGE. |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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

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| 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 | P48549 |

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