

# Recombinant Full Length Rat Potassium Voltage-Gated Channel Subfamily A Member 5(Kcna5) Protein, His-Tagged

Cat. No. RFL11368RF Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Recombinant Full Length Rat Potassium voltage-gated channel subfamily A member 5(Kcna5) Protein (P19024) (1-602aa), fused to N-terminal His tag, was expressed in E. coli.

**Species** Rat

**Source** E.coli

**Protein Length** Full Length (1-602)

**Form** Lyophilized powder

**AA Sequence**

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MEISLVPLENGSAMTLRGGGEAGASCVQTPRGECGCPPTSGLNNQSKETLLRGRT
TLEDA NQGGRPLPPMAQELPQPRRLSAEDEEGEGDPGLGTVEEDQAPQDAGSLH
HQRVLINISGL RFETQLGTLAQFPNTLLGDPKRLHYFDPLRNEYFFDRNRPSFDGIL
YYYQSGGRLRRPV NVSLDVFADIRFYQLGDEAMERFREDEGFIKEEEKPLPRNEF
QRQVWLIFEYPESSGSA RAIIVSVLVILISITFCLETLPFRDERELLRHPPVPPQPP
APAPGINGSVSGALSSG PTVAPLLPRTLADPFFIVETTCVIWFTFELLVRRFFACPSKA
EFSRNIMNIIDVVAIFPYF ITLGTAEQQPGGGGQNGQQAMSLAILRVIRLVRFRI
KLSRHSKGLQILGKTLQASM RELGLLIFFLFIGVILFSSAVYFAEADNHGSHFSSIPDA
FWWAVVTMTTVGYGDMRPITV GSKIVGSLCAIAGVLTIALPVPVIVSNFNFYFHRET
DHEEQAAALKEEQGNQRRESGLDTG GQRKVSCSKASFCKTGGSLSSDSIRRGSCP
LEKCHLKAKSNVDLRRSLYALCLDTSRET DL
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 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Applications</b>	SDS-PAGE
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
<b>Reconstitution</b>	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

<b>Gene Name</b>	Kcna5
<b>Synonyms</b>	Kcna5; Potassium voltage-gated channel subfamily A member 5; RCK7; RK4; Voltage-gated potassium channel subunit Kv1.5
<b>UniProt ID</b>	<a href="#">P19024</a>

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