

Recombinant Full Length Rat Potassium Channel Subfamily K Member 10(Kcnk10) Protein, His-Tagged

Cat. No. RFL7908RF **Lot. No.** (See product label)

SPECIFICATION

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| Product Overview | Recombinant Full Length Rat Potassium channel subfamily K member 10(Kcnk10) Protein (Q9JIS4) (1-538aa), fused to N-terminal His tag, was expressed in E. coli. |
| Species | Rat |
| Source | E.coli |
| ProteinLength | Full Length (1-538) |
| Form | Lyophilized powder |
| AA Sequence | <p>MKFPIETPRKQVNWDPKVAVPAAAPPVCQPKSATNGHHPVPRLSISSRATVVARME GASQ GGLQTMKWKTVVAIFVVVVVYLVTTGGLVFRALQPFESSQKNTIALEKAEFL RDHICVS PQELETLIQHALLDADNAGVSPVGNSSNSSSHWDLGSAFFFAAGTVITTIGY GNIAPSTEGG KIFCILYAIFGIPLFGFLLAGIGDQLGTIFGKSIARVEKVFRKKQVSQTKI RVISTILFI LAGCIVFVTIPAVIFKYIEGWTALESIFVVVTLTTVGFVAGGNAGINY REWYKPLV WFWILVGLAYFAAVLSMIGDWLRVLSKKTKEEVGEIKAHAAEWKANVT AEFRETRRRLSV EIHDKLQRAATIRSMERRRLGLDQRAHSLDMLSPEKRSVFAALD TGRFKASSQESINNRPNLRLKGPEQLNKHGQGASEDNIINKFGSTSKLTKRKNKDL KKTLPEDVQKIYKTFRNYS LDEEKKEDETEKMCNSDNSSTAMLTECIQQQAEMENG MVPMDTKDQGLENNLSLEDRN</p> |
| Purity | Greater than 90% as determined by 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 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 | Kcnk10 |
| Synonyms | Kcnk10; Trek2; Potassium channel subfamily K member 10; Outward rectifying potassium channel protein TREK-2; TREK-2 K(+ channel subunit |
| UniProt ID | Q9JIS4 |

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