

# Recombinant Full Length Human Potassium Voltage-Gated Channel Subfamily G Member 1(Kcng1) Protein, His-Tagged

Cat. No. RFL6593HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human Potassium voltage-gated channel subfamily G member 1(KCNG1) Protein (Q9UIX4) (1-513aa), fused to N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Full Length (1-513)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	<p>MTLLPGDNSDYDYSALSCTSDASFHPAFLPQRQAIGAFYRRAQRLRPQDEPRQGC            QPED RRRRIIINVGGIKYSLPWTTLDEFPLTRLGQLKACTNFDDILNVCCDDYDVT            CNE FFFDRN PGAFGTILTFLRAGKLRLLREMCALSFQEELLYWGIAEDHLDGCC            KRRYLQ KIEEFAEMV EREEEDDALDSEGRDSEGPAEGEGRLGRCMRRLRDMVER            PHSGLP GKVFACLSVLFVTVT AVNLSVSTLPSLREEEEQGHCSQMCHNVFIVE            SVCVGFSL EFLRLIQAPSKFAFLRSP LTLIDLVAILPYITLLVDGAAAGRRKPG            AGNSYLDKVG L VLRVLRALRILYVMRLARHS LGLQTLGLTARRCTREFGL            LLLFLCVAIALFAPLLYVIE NEMADSPEFTSIPACYWWAVI TMTTVGYGDMV            PRSTPGQVVALSSILSGILLMAFPV TSIFHTFSRSYLELKQEQERVMFR            RAQFLIKTKSQLSVSQDSDILFGSASSDTRDNN</p>
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.

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<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 multiple 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>	KCNG1
<b>Synonyms</b>	KCNG1; Potassium voltage-gated channel subfamily G member 1; Voltage-gated potassium channel subunit Kv6.1; kH2
<b>UniProt ID</b>	<a href="#">Q9UIX4</a>

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