Recombinant Full Length Human Potassium Voltage-Gated Channel Subfamily Kqt Member 4(Kcnq4) Protein, His-Tagged

Cat. No. RFL8793HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human Potassium voltage-gated channel subfamily KQT member 4(KCNQ4) Protein (P56696) (1-695aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Full Length (1-695)
Form	Lyophilized powder
AA Sequence	MAEAPPRRLGLGPPPGDAPRAELVALTAVQSEQGEAGGGGSPRRLGLLGSPLPPG APLPG PGSGSGSACGQRSSAAHKRYRRLQNWVYNVLERPRGWAFVYHVFIFLLVF SCLVLSVLST IQEHQELANECLLILEFVMIVVFGLEYIVRVVWSAGCCCRYRGWQGRF RFARKPFCVIDFI VFVASVAVIAAGTQGNIFATSALRSMRFLQILRMVRMDRRGGTW KLLGSVVYAHSKELIT AWYIGFLVLIFASFLVYLAEKDANSDFSSYADSLWWGTITLTT IGYGDKTPHTWLGRVLA AGFALLGISFFALPAGILGSGFALKVQEQHRQKHFEKRR MPAANLIQAAWRLYSTDMSRA YLTATWYYYDSILPSFRELALLFEHVQRARNGGLR PLEVRRAPVPDGAPSRYPPVATCHR PGSTSFCPGESSRMGIKDRIRMGSSQRRTG PSKQHLAPPTMPTSPSSEQVGEATSPTKVQ KSWSFNDRTRFRASLRLKPRTSAED APSEEVAEEKSYQCELTVDDIMPAVKTVIRSIRIL KFLVAKRKFKETLRPYDVKDVIEQ YSAGHLDMLGRIKSLQTRVDQIVGRGPGDRKAREKG DKGPSDAEVVDEISMMGRV

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	VKVEKQVQSIEHKLDLLLGFYSRCLRSGTSASLGAVQVPLF DPDITSDYHSPVDHED ISVSAQTLSISRSVSTNMD
Purity	Greater than 90% as determined by SDS-PAGE.
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℃/-80℃. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name	KCNQ4
Synonyms	KCNQ4; Potassium voltage-gated channel subfamily KQT member 4; KQT-like 4; Potassium channel subunit alpha KvLQT4; Voltage-gated potassium channel subunit Kv7.4
UniProt ID	P56696

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