

Recombinant Full Length Mouse Potassium Voltage-Gated Channel Subfamily Kqt Member 1(Kcnq1) Protein, His-Tagged

Cat. No. RFL27916MF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Mouse Potassium voltage-gated channel subfamily KQT member 1(Kcnq1) Protein (P97414) (1-668aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Full Length (1-668)
Form	Lyophilized powder
AA Sequence	MDTASSPPSAERKRAGWSRLLGARRGSAVVKKCPFSLELAEGGPEGSTVYAPIAPT GAPG LAPP MSTPVSPAPAPADLGPRPRVSLDPRVSIYSARRPLLARTHIQGRVYNFL ERPTGWK CFVYHFTVFLIVLVCLIFSVLSTIEQYAALATGTLFWMEIVLVVFFGTEYVV RLWSAGCR SKYVGIWGRRLRFARKPISIIDLIVVVASMVVLCVGSKGQVFATSAIRGIR FLQILRMLHV DRQGGTWRLGSSVFIHRQELITTLYIGFLGLIFSSYFVYLAEKDAVNE SGRIEFGSYAD ALWWGVVTVTTIGYGDKVPQTWVGKTIASCFSVFASFALPAGIL GSGFALKVQQKQRQ KHFN RQIPAAASLIQTAWRCYAAENPDSATWKIYVRKPARS HTLLSPSPKPKKSVMVKKK KFKLDKDNMGSPGEKMFNVPHITYDPPEDRRPDHFSI DGYDSSVRKSPTLLEVSTPHFLR TNSFAEDLDLEGETLLTPITHVSQLRDHHRATIKV IRRMQYFVAKKKFQQARKPYDVRDV IEQYSQGHNLNLMVRIKELQRRLDQSIGKPSLF IPISEKSKDRGSNTIGARLNRVEDKVTQ LDQRLVIITDMLHQLLSMQGGGPTCNSRS

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	QVVASNEGG SINPELFLPSNSLPTYEQLTVP QTGPDEGS
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°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name	Kcnq1
Synonyms	Kcnq1; Kcna9; Kvltq1; Potassium voltage-gated channel subfamily KQT member 1; IKs producing slow voltage-gated potassium channel subunit alpha KvLQT1; KQT-like 1; Voltage-gated potassium channel subunit Kv7.1
UniProt ID	P97414

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