

Recombinant Full Length Human Potassium Voltage-Gated Channel Subfamily D Member 3(Kcnd3) Protein, His-Tagged

Cat. No. RFL1467HF Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Full Length Human Potassium voltage-gated channel subfamily D member 3(KCND3) Protein (Q9UK17) (1-655aa), fused to N-terminal His tag, was expressed in E. coli.

Species Human

Source E.coli

Protein Length Full Length (1-655)

Form Lyophilized powder

AA Sequence

MAAGVAAWLPFARAAAIGWMPVANCPMPLAPADKNKRQDELIVLNVSGRRFQTR
 TTLER YPDTLLGSTEKEFFFNEDTKEYFFDRDPEVFRVCLNFYRTGKLHYPRYECIS
 AYDDELAF YGILPEIIGDCCYEEYKDRKRENAERLMDDNSENQESMPSLSFRQT
 MWRAFENPHTST LALVFYYVTGFFIAVSVITNVVETVPCGTVPGSKELPCGERYSVA
 FFCLDTACVMIFTVE YLLRLFAAPSRYSRIFIRSVMSIIDVVAIMPYYIGLVMTNNEVDVSG
 AFVTLRVRFRVFRIFKF SRHSQGLRILGYTLKSCASELGFLLFSLTMAIIIFATVMFYAEK
 GSSASKFTSIPASFWY TIVTMTTLGYGDMVPKTIAGKIFGSICSLSGVLVIALPVPVIVS
 NFSRIYHQNRADKRR AQKKARLARIRVAKTGSSNAYLHSKRNGLLNEALELTGTP
 EEEHMGKTTSLIESQHHLL HCLEKTTGLSYLVDDPLLSVRTSTIKNHEFIDEQMFEQ
 NCMESSMQNYPSTRSPSLSSHP GLTTTCCSRRSKKTHLPNSNLPATRLRSMQEL
 STIHQQSEQPSLTTSRSSLNLKADDG LRPNCKTSQITTAISIPTPPALTPEGESRPP

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PASPGPNTNIPSIASNVVKVSAL

Purity Greater than 90% as determined by 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 KCND3

Synonyms KCND3; Potassium voltage-gated channel subfamily D member 3; Voltage-gated potassium channel subunit Kv4.3

UniProt ID [Q9UK17](#)

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