

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

Cat. No. RFL3568RF Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Recombinant Full Length Rat Potassium voltage-gated channel subfamily D member 3(Kcnd3) Protein (Q62897) (1-655aa), fused to N-terminal His tag, was expressed in E. coli.

**Species** Rat

**Source** E.coli

**Protein Length** Full Length (1-655)

**Form** Lyophilized powder

**AA Sequence**

MAAGVAAWLPFARAAAIGWMPVANCPMPLAPADKNKRQDELIVLNVSGRRFQTR  
 TTLER YPDTLLGSTEKEFFFNEDTKEYFFDRDPEVFRCVLNIFYRTGKLHYPRYECIS  
 AYDDELAF YGILPEIIGDCCYEEYKDRKRENAERLMDDNESENNQESMPSLSFRQT  
 MWRAFENPHTST LALVFYYVTGFFIAVSVITNVVETVPCGTVPGSKELPCGERYSVA  
 FFCLDTACVMIFTVE YLLRLFAAPSRYRFIRSVMSIIDVVAIMPYYIGLVMTNNEVDVSG  
 AFVTLRVFRVFRIFKF SRHSQGLRILGYTLKSCASELGFLLFSLTMAIIFATVMFYAEK  
 GSSASKFTSIPASFWY TIVTMTTLGYGDMVPKTIAGKIFGSICSLSGVLVIALPVPVIVS  
 NFSRIYHQNRADKRR AQKKARLARIRVAKTGSSNAYLHSKRNGLLNEALELTGTP  
 EEEHMGKTTSLIESQHHLHLL HCLEKTTGLSYLVDDPLLSVRTSTIKNHEFIDEQMFEQ  
 NCMESSMQNYPSTRSPSLSSHS GLTTTCCSRRSKKTHLPNSNLPATRLRSMQEL  
 STIHQQSEQPSLTTSSRSSLNLKADDG LRPNCKTSQITTAISIPTPPALTPEGESRPP

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PASPGPNTNIPSITSNVVKSVL

**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** [Q62897](https://www.uniprot.org/entry/Q62897)

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