

Recombinant Full Length *Mustela putorius furo* Potassium Voltage-Gated Channel Subfamily D Member 2(Kcnd2) Protein, His-Tagged

Cat. No. RFL9739MF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Mustela putorius furo</i> Potassium voltage-gated channel subfamily D member 2(KCND2) Protein (Q8HYZ1) (1-630aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Mustela putorius furo</i> (European domestic ferret) (<i>Mustela furo</i>)
Source	<i>E. coli</i>
Protein Length	Full Length (1-630)
Form	Lyophilized powder
AA Sequence	MAAGVAAWLPFARAAAIGWMPVASGPMPPRQERKRTQDALIVLNVSGTRFQTW QDTLE RYPDTLLGSSERDFFYHPETQQYFFDRDPDIFRHILNFYRTGKLHYPRHECI SAYDEELA FFGLIPEIIGDCCYEEYKDRRRENAERLQDDADTDNTGESALPTMTARQ RVWRAFENPHT STMALVFYYVTGFFIAVSVIANVVETVPCGSSPGHIKELPCGERYA VAFFCLDTACVMIF TVEYLLRLAAAPSRYRFVRSVMSIIDVVAILPPYYIGLVMTDNEDV SGAFVTLRVFRVFRI FKFSRHSQGLRILGYTLKSCASELGFLFSLTMAIIIFATVMFYA EKGSSASKFTSIPAA FWYTIVTMTTLGYGDMVPKTIAGKIFGSICSLSGVLVIALPVPVI VSNFSRIYHQNQRAD KRRQAQKKARLARIRAAKTGSANAYMQSKRNGLLSNQLQSS EDEQAFVSKSGSSFETQHLLHLCLEKTTNHEFVDEQVFEEESCMEVATGNRPSSH SPSLSSQQGVTSTCCSRRHKKTFRIPNANVSGSHRGSVQELSTIQIRCVERTPLSNS

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RSSLNAKMEECVKLNCEQPYVTTAISI PTPPVTTPEGDDRPESPEYSGGNIVRVSA

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 KCND2

Synonyms KCND2; Potassium voltage-gated channel subfamily D member 2; Voltage-gated potassium channel subunit Kv4.2

UniProt ID [Q8HYZ1](#)

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