

Recombinant Full Length Human Potassium Voltage-Gated Channel Subfamily D Member 1(Kcnd1) Protein, His-Tagged

Cat. No. RFL36917HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human Potassium voltage-gated channel subfamily D member 1(KCND1) Protein (Q9NSA2) (1-647aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Full Length (1-647)
Form	Lyophilized powder
AA Sequence	MAAGLATWLPFARAAAVGWLPLAQQLPPAPGVKASRGDEVLVNVSGRRFETWK NTLDR YPDTLLGSSEKEFFYDADSGEYFFDRDPDMFRHVLNFYRTGRLHCPRQECI QAFDEELAF YGLVPELVGDCCLEEYRDRKKENAERLAEDEEAEQAGDGPALPAGS SLRQRLWRAFENPH TSTAALVFYYVTGFFIAVSVIANVVETIPCRGSARRSSREQPC GERFPQAFFCMDTACVL IFTGEYLLRLFAAPSRCRFLRSVMSLIDVVAILPYYIGLLVP KNDDVSGAFVTLRVFRVF RIFKFSRHSQGLRILGYTLKSCASELGFLFSLTMAIIIFA TVMFYAEKGTNKTNFTSIP AAFWYTIVTMTTLGYGDMVPSTIAGKIFGSICSLSGVLVI ALPVPVIVSNFSRIYHQNR ADKRRRAQQKQVRLARIRLAKSGTTNAFLQYKQNGGLE DSGSGEEQALCVRNRSFAEQHHH LLHCLEKTTCHEFTDELTFSEALGAVSPGGR TSRSTSVSSQPVGPGSLLSSCCPRRAKRR AIRLANSTASVSRGSMQELDMLAGLR RSHAPQSRSSLNAKPHDSLNLNCDSDRDFVAAIIS IPTPPANTPDESQPSSPGGGGR

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	AGSTLRNSSLGTPCLFPETVKISL
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	KCND1
Synonyms	Kcnd1; KCND1_HUMAN; Kv4.1; mShal; OTTHUMP00000025805; OTTHUMP00000025806; Potassium voltage gated channel Shal related subfamily member 1; Potassium voltage gated channel subfamily D member 1; Potassium voltage-gated channel subfamily D member 1; Shal typ
UniProt ID	Q9NSA2