

Datasheet for ABIN7554296
KCND1 Protein (AA 1-647) (His tag)



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Overview

Quantity:	1 mg
Target:	KCND1 (Kcnd1)
Protein Characteristics:	AA 1-647
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCND1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KCND1 Protein expressed in mammalian cells.
Sequence:	MAAGLATWLP FARAAVGWL PLAQQPLPPA PGVKASRGDE VLVVNVSGRR FETWKNTLDR YDPTLLGSSE KEFFYDADSG EYFFDRDPDM FRHVLNFYRT GRLHCPRQEC IQAFDEELAF YGLVPELVGD CCLEEYRDRK KENAERLAED EEAEQAGDGP ALPAGSSLRQ RLWRAFENPH TSTAALVFYV VTGFFIAVSV IANVVETIPC RGSARRSSRE QPCGERFPQA FFCMDTACVL IFTGEYLLRL FAAPSRCRFL RSVMSLIDVV AILPYYIGLL VPKNDDVSGA FVTLRVFRVF RIFKFSRHSQ GLRILGYTLK SCASELGFL FSLTMAIIF ATVMFYAEKG TNKTNFTSIP AAFWYTIVTM TTLGYGDMVP STIAGKIFGS ICSLSGVLVI ALPVPVIVSN FSRIYHQNR ADKRRAQQKV RLARIRLAKS GTTNAFLQYK QNGGLEDSGS GEEQALCVRN RSAFEQQHHH LLHCLEKTTTC HEFTDELTFE EALGAVSPGG RTSRSTSVSS QPVGPGSLLS SCCPRRAKRR AIRLANSTAS VSRGSMQELD MLAGLRRSHA PQSRSSLNAK PHDSLNLNCD SRDFVAAIIS IPTPPANTPD ESQPSSPGGG GRAGSTLRNS SLGTPCLFPE TVKISSL Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different

Product Details

complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: KCND1 (Kcnd1)

Alternative Name: KCND1 ([Kcnd1 Products](#))

Background: Potassium voltage-gated channel subfamily D member 1 (Voltage-gated potassium channel subunit Kv4.1),FUNCTION: Pore-forming (alpha) subunit of voltage-gated rapidly inactivating A-type potassium channels. May contribute to I(To) current in heart and I(Sa) current in neurons. Channel properties are modulated by interactions with other alpha subunits and with regulatory subunits.

Molecular Weight: 71.3 kDa

UniProt: [Q9NSA2](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
