

Datasheet for ABIN7554297  
**KCND3 Protein (AA 1-655) (His tag)**



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## Overview

Quantity:	1 mg
Target:	KCND3
Protein Characteristics:	AA 1-655
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCND3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant KCND3 Protein expressed in mammalian cells.
Sequence:	MAAGVAAWLP FARAAAIGWM PVANCPMPLA PADKNKRQDE LIVLNVSGRR FQTWRTTLER YDPTLLGSTE KEFFFNEDTK EYFFDRDPEV FRCVLNIFYRT GKLHYPRYEC ISAYDDELAF YGILPEIIGD CCYEEYKDRK RENAERLMDD NSENQESM PLSFRQTMW RAFENPHTST LALVFYYVTG FFIASVITN VVETVPCGTV PGSKELPCGE RYVAFFCLD TACVMIFTVE YLLRLFAAPS RYRFIRSVMS IIDVVAIMPY YIGLVMTNNE DVSGAFVTLR VFRVFRIFKF SRHSQGLRIL GYTLKSCASE LGFLLFSLTM AIIIFATVMF YAEKGSSASK FTSIPASFWY TIVTMTTLGY GDMVPKTIAG KIFGSICSLG GVLVIALPVP VIVSNFSRIY HQNQRADKRR AQKKARLARI RVAKTGSSNA YLHSCRNGLL NEALELTGTP EEEHMGKTTS LIESQHHHLL HCLEKTTGLS YLVDDPLLSV RTSTIKNHEF IDEQMFEQNC MESSMQNYPS TRSPSLSSHP GLTTTCCSRR SKKTTHLPNS NLPATRLRSM QELSTIHIQG SEQPSLTTSR SSLNLKADDG LRPNCKTSQI TTAISIPTP PALTPEGESR PPPASPGPNT NIPSIASNVV KVSAL <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a</b>

## Product Details

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**different 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

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Target: KCND3

Alternative Name: KCND3 ([KCND3 Products](#))

Background: Potassium voltage-gated channel subfamily D member 3 (Voltage-gated potassium channel subunit Kv4.3),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. {ECO:0000269|PubMed:10200233, ECO:0000269|PubMed:9843794}.

Molecular Weight: 73.5 kDa

UniProt: [Q9UK17](#)

## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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