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Datasheet for ABIN7562267

KCNK3 Protein (AA 1-409) (His tag)

Overview

Quantity:	1 mg
Target:	KCNK3
Protein Characteristics:	AA 1-409
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNK3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Kcnk3 Protein expressed in mammalian cells.
Sequence:	<p>MKRQNVRTLALIVCTFTYLLVGAAVFDALSEPEMIERQRLRLRQLELRYNLSEGGYE ELERVVLRLLKPHKAGVQWRFAGSFYFAITVITIGYGHAA PSTDGGKVFCMFYALLGIPL TLVMFQSLGERINTFVRYLLHRAKRGLGMRHAEVSMANMVLIGFVSCISTLCIGAAAFSY YERWTFQAYYYCFITLTTIGFGDYVALQKDQALQTQPQYVAFSFVYILTGLTVIGAFNL LVVLRFMNTMNAEDEKRDAEH RALLTHNGQAVLGGLSCLSGSLGDGVRPRDPVTCAAAAG GVGVGVGGSGFRNVYAEVLHFQSMCSCLWYKSREKLQYSIPMIIPRDLSTSDTCVEHSHS SPGGGGRYSDTPSHPCLCSTQRSAISSVSTGLHSLAAFRGLMKRRSSV Sequence without tag.</p> <p>The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
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.

Product Details

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:

KCNK3

Alternative Name:

Kcnk3 ([KCNK3 Products](#))

Background:

Potassium channel subfamily K member 3 (Acid-sensitive potassium channel protein TASK-1) (Cardiac two pore background K(+) channel) (TWIK-related acid-sensitive K(+) channel 1) (Two pore potassium channel KT3.1) (Two pore K(+) channel KT3.1) (cTBAK-1),FUNCTION: pH - dependent, voltage-insensitive, background potassium channel protein. Rectification direction results from potassium ion concentration on either side of the membrane. Acts as an outward rectifier when external potassium concentration is low. When external potassium concentration is high, current is inward. {ECO:0000250|UniProtKB:O14649}.

Molecular Weight:

45.1 kDa

UniProt:

[O35111](#)

Application Details

Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for

Application Details

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
