

Datasheet for ABIN7548851  
**KCNK12 Protein (AA 1-430) (His tag)**



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## Overview

Quantity:	1 mg
Target:	KCNK12
Protein Characteristics:	AA 1-430
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNK12 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant KCNK12 Protein expressed in mammalian cells.
Sequence:	<p>MSSRSPRPPP RRSRRRLPRP SCCCCCRRS HLNEDTGRFV LLAALIGLYL VAGATVFSAL ESPGAEARA RWGATLRNFS AAHGVAEPEL RAFLRHYEAA LAAGVRADAL RPRWDFPGAF YFVGTVSTI GFGMTTPATV GGKAFLIAYG LFGCAGTILF FNLFLERIIS LLAFIMRACR ERQLRRSGLL PATFRRGSAL SEADSLAGWK PSVYHVLLIL GLFAVLLSCC ASAMYTSVEG WDYVDSLYFC FVTFSTIGFG DLVSSQHAAY RNQGLYRLGN FLFILLGVCC IYSLFNVISI LIKQVLNWML RKLSCRCCAR CCPAGAPLA RRNAITPGSR LRRRLAALGA DPAARDSDAE GRRLSGELIS MRDLTASNKV SLALLQKQLS ETANGYPRSV CVNTRQNGFS GGVGALGIMN NRLAETSASR <b>Sequence without tag. 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.</b></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

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### 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:

KCNK12

### Alternative Name:

KCNK12 ([KCNK12 Products](#))

### Background:

Potassium channel subfamily K member 12 (Tandem pore domain halothane-inhibited potassium channel 2) (THIK-2),FUNCTION: Probable potassium channel subunit. No channel activity observed in heterologous systems. May need to associate with another protein to form a functional channel (By similarity). {ECO:0000250}.

### Molecular Weight:

46.9 kDa

### UniProt:

[Q9HB15](#)

## 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.

### Restrictions:

For Research Use only

## Handling

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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