

Datasheet for ABIN7548644  
**Kcng2 Protein (AA 1-466) (His tag)**



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## Overview

Quantity:	1 mg
Target:	Kcng2
Protein Characteristics:	AA 1-466
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Kcng2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant KCNG2 Protein expressed in mammalian cells.
Sequence:	<p>MEPWPCSPGG GGGTRARHVI INVGGCRVRL AWAALARCPL ARLERLRACR GHDDLRLVCD DYDVS RDEFF FDRSPCAFRA IVALLRAGKL RLLRGPCALA FRDELAYWGI DEARLERCCL RRLRRREEEA AEARAGPTER GAQGSPARAL GPRGRLQRGR RRLRDVVDNP HSGLAGKLFA CVSVS FVAVT AVGLCLSTMP DIRAEEERGE CSPKCRSLFV LETVCVAWFS FEFLRLSLQA ESKCAFLRAP LNIIDILALL PFYVSLLLGL AAGPGGTKLL ERAGLVRLRL RALRVLYVMR LARHSLGLRS LGLTMRRCAR EFGLLLLFLC VAMALFAPLV HLAERELGAR RDFSSVPASY WWAVISMTTV GYGDMVPRSL PGQVVALSSI LSGILLMAFP VTSIFHTFSR SYSELKEQQQ RAASPEPALQ EDSTHSATAT EDSSQGPDSA GLADDSADAL WVRAGR <b>Sequence without tag.</b></p> <p><b>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

## Product Details

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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:

Kcng2

### Alternative Name:

KCNG2 ([Kcng2 Products](#))

### Background:

Potassium voltage-gated channel subfamily G member 2 (Cardiac potassium channel subunit) (Voltage-gated potassium channel subunit Kv6.2),FUNCTION: Potassium channel subunit. Modulates channel activity by shifting the threshold and the half-maximal activation to more negative values.

### Molecular Weight:

51.2 kDa

### UniProt:

[Q9UJ96](#)

## 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