

Datasheet for ABIN7561971  
**KCNG1 Protein (AA 1-514) (His tag)**



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## Overview

Quantity:	1 mg
Target:	KCNG1
Protein Characteristics:	AA 1-514
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNG1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Kcng1 Protein expressed in mammalian cells.
Sequence:	<p>MTLLPGDNSH YDYSALSCAS DTSFHPAFFP QRQAIKGVFY RRAQRLRPQD DLHQSCSLGD RRRQIIINVG GIKYSLPWTT LDEFPLTRLG QLKACTNFDD ILSVCDDYDV TCNEFFFDNRN PGAFGTILTF LRAGKLRLLR EMCALSFQEE LLYWGIAEDH LDGCCRRRYL QKIEEFAEMM EREEEEPLD SEDQESEGPS ASEGRLSRCM RRLRDMVERP HSGLPQKVFA CLSVLFVTVT AVNLSVSTLP SLREEEQGQ CSQMCHNVFI VESVCVWFS LEFLLRFIQA PSKFAFLRSP LTLIDLVAI PYYVTLVDG AASSRRKPST GNSYLDKVL VLRVLRALRI LYVMRLARHS LGLQTLGLTA RRCTREFGLL LLFLCVAIAL FAPLLYVIEN EMADSPEFTS IPACYWWAVI TMTTVGYGDM VPRSTPGQVW ALSSILSGIL LMAFPVTSIF HTFSRSYLEL KQEQERVLR RAQYLIKTKS QLSGMSQSDS ILFGSASSDT RDNN <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>

## Product Details

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**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.

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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.

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

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**Grade:** custom-made

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## Target Details

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**Target:** KCNG1

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**Alternative Name:** Kcng1 ([KCNG1 Products](#))

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**Background:** Potassium voltage-gated channel subfamily G member 1 (Voltage-gated potassium channel subunit Kv6.1),FUNCTION: Potassium channel subunit that does not form functional channels by itself. Can form functional heterotetrameric channels with KCNB1, modulates the delayed rectifier voltage-gated potassium channel activation and deactivation rates of KCNB1. {ECO:0000250|UniProtKB:D4AD53}.

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**Molecular Weight:** 58.2 kDa

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**UniProt:** [A2BDX4](#)

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## 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

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## Application Details

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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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