

Datasheet for ABIN7554360  
**KCNS3 Protein (AA 1-491) (His tag)**



[Go to Product page](#)

## Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 1 mg   |
| Target:                       | KCNS3  |
| Protein Characteristics:      | AA 1-491                                     |
| Origin:                       | Human  |
| Source:                       | HEK-293 Cells                                |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This KCNS3 protein is labelled with His tag. |

## Product Details

|              |  |
|--------------|--|
| Purpose:     | Custom-made recombinant KCNS3 Protein expressed in mammalian cells.  |
| Sequence:    | <p>MVFGEFFHRP GQDEELVNLN VGGFKQSVDQ STLLRFPHTR LGKLLTCHSE EAILELCDDY<br/> SVADKEYYFD RNPSLFRYVL NFYYTGKLVH MEELCVFSFC QEIEYWGINE LFIDSCCSNR<br/> YQERKEENHE KDWDQKSHDV STDSSFEESS LFEKELEKFD TLRFGQLRKK IWIRMENPAY<br/> CLSAKLIAIS SLSVVLASIV AMCVHSMSEF QNEDGEVDDP VLEGVEIACI AWFTGELAVR<br/> LAAAPCQKKF WKNPLNIIDF VSIIPFYATL AVDTKEEESE DIENMGKVVQ ILRLMRIFRI<br/> LKLARHSVGL RSLGATLRHS YHEVGLLLLLF LSVGISIFSV LIYSVEKDDH TSSLTSIPIC<br/> WWWATISMTT VGYGDTHPVT LAGKLIATC IICGILVVAL PITIIFNKFS KYYQKQKDID<br/> VDQCSEDAPE KCHELPHYFNI RDIYAQRMHT FITSLSSVGI VVSDPDSTDA SSIEDNEDIC<br/> NTTSLENCTA K <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  |

## Product Details

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

### Target:

KCNS3

### Alternative Name:

KCNS3 ([KCNS3 Products](#))

### Background:

Potassium voltage-gated channel subfamily S member 3 (Delayed-rectifier K(+) channel alpha subunit 3) (Voltage-gated potassium channel subunit Kv9.3),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 (PubMed:10484328). Heterotetrameric channel activity formed with KCNB1 show increased current amplitude with the threshold for action potential activation shifted towards more negative values in hypoxic-treated pulmonary artery smooth muscle cells (By similarity). {ECO:0000250|UniProtKB:O88759, ECO:0000269|PubMed:10484328}.

### Molecular Weight:

56.0 kDa

### UniProt:

[Q9BQ31](#)

### Application Details

|                    |   |
|--------------------|---|
| 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

|                  |  |
|------------------|--|
| 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  |