

Datasheet for ABIN7554268  
**KCNS1 Protein (AA 1-526) (His tag)**



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## Overview

Quantity:	1 mg
Target:	KCNS1
Protein Characteristics:	AA 1-526
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNS1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant KCNS1 Protein expressed in mammalian cells.
Sequence:	<p>MLMLLVRGTH YENLRSKVVL PTPLGGRSTE TFVSEFPYPD TGIRWRRSDE ALRVNVGGVR</p> <p>RQLSARALAR FPGTRLGRLQ AAASEEQARR LCDDYDEAAR EFYFDRHPGF FLSSLHFYRT</p> <p>GHLHVLDELQ VFAFGQEADY WGLGENALAA CCRARYLERR LTQPHAWDED SDTPSSVDPC</p> <p>PDEISDVQRE LARYGAARCG RLRRRLWLTN ENPGYSLPSK LFSCVSISVV LASIAAMCIH</p> <p>SLPEYQAREA AAAVAAVAAG RSPEGVRDDP VLRRLEYFCI AWFSFEVSSR LLLAPSTRNF</p> <p>FCHPLNLIDI VSVLPFYLTN LAGVALGDQG GKEFGHLGKV VQVFRMLRIF RVLKLARHST</p> <p>GLRSLGATLK HSYREVGILL LYLAVGVSVF SGVAYTAEKE EDVGFNTIPA CWWWGTVSMT</p> <p>TVGYGDVVPV TVAGKLAASG CILGGILVVA LPITIIFNKF SHFYRRQKAL EAAVRNSNHQ</p> <p>EFEDLLSSID GVSEASLETS RETSQEGQSA DLESQAPSEP PHPQMY</p> <p><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

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.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	KCNS1
Alternative Name:	KCNS1 ( <a href="#">KCNS1 Products</a> )
Background:	<p>Potassium voltage-gated channel subfamily S member 1 (Delayed-rectifier K(+) channel alpha subunit 1) (Voltage-gated potassium channel subunit Kv9.1),FUNCTION: Potassium channel subunit that does not form functional channels by itself. Can form functional heterotetrameric channels with KCNB1 and KCNB2, modulates the delayed rectifier voltage-gated potassium channel activation and deactivation rates of KCNB1 and KCNB2 (PubMed:10484328). {ECO:0000269 PubMed:10484328}.</p>
Molecular Weight:	58.4 kDa
UniProt:	<a href="#">Q96KK3</a>

## 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