

Datasheet for ABIN7562275
KCNS1 Protein (AA 1-497) (His tag)



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Overview

Quantity:	1 mg
Target:	KCNS1
Protein Characteristics:	AA 1-497
Origin:	Mouse
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>MVSEFPGPS RVPWRPRDEA LRVNVGGVRR LLSARALARF PGTRLGRLQA AASEEQARRL CDDYDAAAHE FYFDRHPGFF LGLLHFYRTG HLHVLDEL CV FAFGQEADYW GLGENALATC CRARYLERRV ARPRAWDEDS DAPSSVDPCP DEISDVQREL ARYGAARCGR LRRRLWLTME NPGYSLPSKL FSCVSIGVVL ASIAAMCIHS LPEYQAREAA AAVAAVAAGR SAEVVRDDPV LRRLEYFCIA WFSFEVSSRL LLAPSTRNFF CHPLNLIDIV SVLPFYLTLL AGAALGDQRG ASGEELGDLG KVVQVFRLMR IFRVLKLARH STGLRSLGAT LKHSYREVGI LLLYLAVGVS VFSGVAYTAE EENEGFHTIP ACWWWGTVSM TTVGYGDVVP ETVGKLAAS GCILGGILVV ALPITIIFNK FSHFYRRQKA LEAAVRSSGQ REFEDLLSSV DGVSDVSLET SRDTSQEGRS TDLETQAPRE PAKSHSY 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.</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:

KCNS1

Alternative Name:

Kcns1 ([KCNS1 Products](#))

Background:

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:9305895). {ECO:0000269|PubMed:9305895}.

Molecular Weight:

54.9 kDa

UniProt:

[035173](#)

Application Details

Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for

Application Details

	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