

Datasheet for ABIN7554282
KCNA10 Protein (AA 1-511) (His tag)



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Overview

Quantity:	1 mg
Target:	KCNA10
Protein Characteristics:	AA 1-511
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNA10 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KCNA10 Protein expressed in mammalian cells.
Sequence:	<p>MDVCGWKEME VALVNFNSD EIQEEPGYAT DFDSTSPKGR PGGSSFSNGK ILISESTNHE TAFSKLPGDY ADPPGPEPVV LNEGNQRVII NIAGLRFETQ LRTLSQFPET LLGDREKRMQ FFDSMRNEYF FDRNRPSFDG ILYYYQSGGK IRRPANVPID IFADEISFYE LGSEAMDQFR EDEGFIKDPE TLLPTNDIHR QFWLLFEYPE SSSAARAVAV VSVLVVVISI TIFCLETLPE FREDRELKVV RDPNLNMSKT VLSQTMFTDP FFMVESTCIV WFTFELVLRV VVCPSTKDFD RNIMNIIDII SIIPYFATLI TELVQETEPS AQQNMSLAIL RIIRLVRFV IFKLSRHSKG LQILGQTLKA SMRELGLLIF FLFIGVILFS SAVYFAEVDE PESHFSSIPD GFWWAVVTMT TVGYGDMCPT TPGGKIVGTL CAIAGVLTIA LPVPVIVSNF NYFYHRETN EEKQNPGEI ERILNSVGSR MGSTDSLNTK NGGCSTEKSR K 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:

KCNA10

Alternative Name:

KCNA10 ([KCNA10 Products](#))

Background:

Potassium voltage-gated channel subfamily A member 10 (Voltage-gated potassium channel subunit Kv1.8),FUNCTION: Mediates voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient. The channel activity is up-regulated by cAMP. {ECO:0000269|PubMed:10836990}.

Molecular Weight:

57.8 kDa

UniProt:

[Q16322](#)

Application Details

Application Notes:

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

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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
