

Datasheet for ABIN7556992
KCNA7 Protein (AA 1-489) (His tag)



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Overview

Quantity:	1 mg
Target:	KCNA7
Protein Characteristics:	AA 1-489
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNA7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Kcna7 Protein expressed in mammalian cells.
Sequence:	<p>MLFLPADTGH PTGVAAASGP HVRSPVARAV RAMEPRCPPP CGCCERLVN VAGLRFETRA RTLGRFPDTL LGDPVRRSRF YDGARREYFF DRHRPSFDAV LYYYQSGGRL RRPAAHVPLDV FLEEVSYFYL GAAALARLRE DEGCAVPPER PLPRAFARQ LWLLFEFPES SQAARVLAVV SVLVILVSIV VFCLETLPDF RDDRDDPGLA PVAAATGPFL ARLNGSSPMP GAPPRQPFND PFFVETLCI CWFSFELLVR LVACPSKAVF FKNVMNLIDF VAILPYFVAL GTELARQRGV GQPAMSLAIL RVIRLVRVFR IFKLSRHSKG LQILGQTLRA SMRELGLLIF FLFIGVVLFS SAVYFAEVDR VDTHTSIPE SFWWAVVTMT TVGYGDMAPV TVGGKIVGSL CAIAGVLTIS LPVPVIVSNF SYFYHRETEG EEAGMYSHVD TQPCGTLEGK ANGGLVDSEV PELLPPLWPP AGKHMVTEV 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:

KCNA7

Alternative Name:

Kcna7 ([KCNA7 Products](#))

Background:

Potassium voltage-gated channel subfamily A member 7 (Voltage-gated potassium channel subunit Kv1.7),FUNCTION: Mediates the 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. Channels formed by isoform 1 inactivate faster than channels formed by isoform 2.

{ECO:0000269|PubMed:11896454, ECO:0000269|PubMed:16801386, ECO:0000269|PubMed:9488722}.

Molecular Weight:

53.9 kDa

UniProt:

[Q17ST2](#)

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
