

Datasheet for ABIN7554345
KCNV1 Protein (AA 1-500) (His tag)



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Overview

Quantity:	1 mg
Target:	KCNV1
Protein Characteristics:	AA 1-500
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNV1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KCNV1 Protein expressed in mammalian cells.
Sequence:	MPSSGRALLD SPLDSGSLTS LDSSVFCSEG EGEPLALGDC FTVNVGGSRF VLSQQALSCF PHTRLGKLAV VVASYRRPGA LAAVPSPLEL CDDANPVDNE YFFDRSSQAF RYVLHYYRTG RLHVMEQLCA LSFLQEIYW GIDELSIDSC CRDRYFRRKE LSETLDFKGD TEDQESQHES EQDFSQGPCP TVRQKLWNIL EKPGSSTAAR IFGVISIIFV VVSIINMALM SAELSWLDLQ LLEILEYVCI SWFTGEFVLR FLCVRDRCRF LRKVPNIIDL LAILPFYITL LVESLSGSQT TQELENVGRI VQVLRLLRAL RMLKLGRHST GLRSLGMTIT QCYEEVGLLL LFLSVGISIF STVEYFAEQS IPDTTFTSVP CAWWWATTSM TTVGYGDIRP DTTTGKIVAF MCILSGILVL ALPIAIINDR FSACYFTLKL KEAAVRQREA LKKLTKNIAT DSYISVNLRD VYARSIMEML RLKGRERAST RSSGGDDFWF 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.
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:

KCNV1

Alternative Name:

KCNV1 ([KCNV1 Products](#))

Background:

Potassium voltage-gated channel subfamily V member 1 (Neuronal potassium channel alpha subunit HNKA) (Voltage-gated potassium channel subunit Kv8.1),FUNCTION: Potassium channel subunit that does not form functional channels by itself. Modulates KCNB1 and KCNB2 channel activity by shifting the threshold for inactivation to more negative values and by slowing the rate of inactivation. Can down-regulate the channel activity of KCNB1, KCNB2, KCNC4 and KCND1, possibly by trapping them in intracellular membranes.
{ECO:0000269|PubMed:8670833, ECO:0000269|PubMed:9079713}.

Molecular Weight:

56.3 kDa

UniProt:

[Q6PIU1](#)

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
