

Datasheet for ABIN7559397

KCNJ14 Protein (AA 1-434) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	KCNJ14
Protein Characteristics:	AA 1-434
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNJ14 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Kcnj14 Protein expressed in mammalian cells.
Sequence:	MGLARALRRL SGALEPGNSR AGDEEEAGAG LCRNGWAPGP VAGSRRRGRF VKKDGHCNVR FVNLGGQGAR YLSDLFTTCV DVRWRWMCLL FSCSFLASWL LFGLTFWLIA SLHGDLAAPP PPAPCFSQVA SFLAAFLFAL ETQTSIGYGV RSVTEECPA VAAVLQCIA GCVLDAFVVG AVMAKMAKPK KRNETLVFSE NAVVALRDHR LCLMWRVGNL RRSHLVEAHV RAQLLQPRVT PEGEYIPLDH QDVDVGFDDG TDRIFLVSPI TIVHEIDSAS PLYELGRAEL ARADFELVVI LEGMVEATAM TTQCRSSYLP GELLWGHRFE PVLFRQGSQY EVDYRHFHRT YEVPGTPVCS AKELDERAEQ ASHSPKSSFP GSLTAFCYEN ELALSCCQEE DEEEDTKEGT SAETPERAAS PQALTPTLAL TLPP 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 isoform, please contact us regarding an individual offer.

Product Details

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:

KCNJ14

Alternative Name:

Kcnj14 ([KCNJ14 Products](#))

Background:

ATP-sensitive inward rectifier potassium channel 14 (Inward rectifier K(+) channel Kir2.4) (IRK-4) (Potassium channel, inwardly rectifying subfamily J member 14),FUNCTION: Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium, as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. KCNJ14 gives rise to low-conductance channels with a low affinity to the channel blockers Barium and Cesium (By similarity). {ECO:0000250}.

Molecular Weight:

47.6 kDa

UniProt:

[Q8JZN3](#)

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
