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Datasheet for ABIN7562691

KCNJ15 Protein (AA 1-375) (His tag)

Overview

Quantity:	1 mg
Target:	KCNJ15
Protein Characteristics:	AA 1-375
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNJ15 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Kcnj15 Protein expressed in mammalian cells.
Sequence:	<p>MDAIHLGMSS APLVKHTNGV GLKAHRPRVM SKSGHSNVRI DKVDGIYLLY LQDLWTTVID MKWRYKLTFL AATFVMTWFL FGVVYYAIAF IHGDLQLGES NSNHTPCIMK VDSLTAFLF SLESQTTIGY GVRSITEECP HAIFLLVAQL VITTLIEIFI TGTFLLAKIAR PKKRAETIKF SHCAVISKQN GKLCLVIQVA NMRKSLLIQC QLSGKLLQTH VTKEGERILL NQATVKFHVD SSSSEPFLLI PMTFYHVLDE TSPLRDLTPQ NLKEKEFELV VLLNATVEST SAVCQSRTSY IPEEIYWGFE FVPVVSLSKN GKYVADFSQF EQIRKSPDCT FYCADSEKQK LEEQYRQEDQ RERELRLLLL QQSNV</p> <p>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 isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- 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:	KCNJ15
Alternative Name:	Kcnj15 (KCNJ15 Products)
Background:	ATP-sensitive inward rectifier potassium channel 15 (Inward rectifier K(+) channel Kir4.2) (Potassium channel, inwardly rectifying subfamily J member 15),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.
Molecular Weight:	42.6 kDa
UniProt:	O88932

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.
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Application Details

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