

Datasheet for ABIN7554358
KCNN1 Protein (AA 1-543) (His tag)



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Overview

Quantity:	1 mg
Target:	KCNN1
Protein Characteristics:	AA 1-543
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNN1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KCNN1 Protein expressed in mammalian cells.
Sequence:	<p>MNSHSYNGSV GRPLGSGPGA LGRDPPDPEA GHPPQPPHSP GLQVVVAKSE PARPSGSPR GQPQDQDDDE DDEEDEAGRQ RASGKPSNVG HRLGHRRALF EKRKRLSDYA LIFGMFGIVV MVTETELSWG VYTKESLYSF ALKCLISLST AILLGLVLVLY HAREIQLFMV DNGADDWRIA MTCERVFLIS LELAVCAIHP VPGHYRFTWT ARLAFTYAPS VAEADVVDVLL SIPMFLRLYL LGRVMLLHSL IFTDASSRSI GALNKITFNT RFVMKTLMTI CPGTVLLVFS ISSWIIAAWT VRVCERYHDK QEVTSNFLGA MWLISITFLS IGYGDMVPHT YCGKGVCLLT GIMGAGCTAL VVAVVARKLE LTKAEKHVHN FMMDTQLTKR VKNAAANVLR ETWLIYKHTR LVKKPDQARV RKHQRKFLQA IHQAQLRSV KIEQGKLNQ ANTLTDLAKT QTVMYDLVSE LHAQHEEELA RLATLESRLD ALGASLQALP GLIAQAIRPP PPPLPPRPGP GPQDQAARSS PCRWTPVAPS DCG</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>

Product Details

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:**

- 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: KCNN1

Alternative Name: KCNN1 ([KCNN1 Products](#))

Background: Small conductance calcium-activated potassium channel protein 1 (SK1) (SKCa 1) (SKCa1) (KCa2.1),FUNCTION: Forms a voltage-independent potassium channel activated by intracellular calcium (PubMed:8781233, PubMed:9287325, PubMed:17142458). Activation is followed by membrane hyperpolarization (By similarity). Thought to regulate neuronal excitability by contributing to the slow component of synaptic afterhyperpolarization (By similarity). {ECO:0000250|UniProtKB:Q9EQR3, ECO:0000269|PubMed:17142458, ECO:0000269|PubMed:8781233, ECO:0000269|PubMed:9287325}.

Molecular Weight: 60.0 kDa

UniProt: [Q92952](#)

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
