

Datasheet for ABIN7562714
KCNN4 Protein (AA 1-425) (His tag)



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Overview

Quantity:	1 mg
Target:	KCNN4
Protein Characteristics:	AA 1-425
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNN4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Kcnn4 Protein expressed in mammalien cells.
Sequence:	<p>MGGELVTGLG ALRRRKRLLE QEKRVAGWAL VLAGTGIGLM VLHAEMLWFL GCKWVLYLLL VKCLITLSTA FLLCLIVVFH AKEVQLFMTD NGLRDWRVAL TRRQVAQILL ELLVCGVHPV PLRSPHCALA GEATDAQPWP GFLGEGEALL SLAMLLRLYL VPRAVLLRSG VLLNASYRSI GALNQVRFRH WFAKLYMNT HPGRLLGLT LGLWLTTAWV LSVAERQAVN ATGHLTDTLW LIPITFLTIG YGDVVPGTMW GKIVCLCTGV MGVCCTALLV AVVARKLEFN KAEKHVHNFM MDIHYAKEMK ESAARLLQEA WMYKHKTRRK DSRAARRHQR KMLAAIHTFR QVRLKHKRLR EQVNSMVDIS KMHMILCDLQ LGLSSSHRAL EKRIDGLAGK LDALTELLGT ALQQQLPEP SQEAT</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.</p> <p>In case you have a special request, please contact us.</p>
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, Western Blot
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Grade:	custom-made
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Target Details

Target:	KCNN4
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Alternative Name:	Kcnn4 (KCNN4 Products)
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Background:	<p>Intermediate conductance calcium-activated potassium channel protein 4 (SK4) (SKCa 4) (SKCa4) (IK1) (KCa3.1) (KCa4),FUNCTION: Forms a voltage-independent potassium channel that is activated by intracellular calcium (PubMed:9705284). Activation is followed by membrane hyperpolarization which promotes calcium influx. Required for maximal calcium influx and proliferation during the reactivation of naive T-cells (PubMed:20884616). Plays a role in the late stages of EGF-induced macropinocytosis (By similarity).</p> <p>{ECO:0000250 UniProtKB:O15554, ECO:0000269 PubMed:20884616, ECO:0000269 PubMed:9705284}.</p>
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Molecular Weight:	47.8 kDa
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UniProt:	O89109
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

as well. 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