

Datasheet for ABIN7548629
KCNMB4 Protein (AA 1-210) (His tag)



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Overview

Quantity:	1 mg
Target:	KCNMB4
Protein Characteristics:	AA 1-210
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNMB4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KCNMB4 Protein expressed in mammalian cells.
Sequence:	MAKLRVAYEY TEAEDKSIRL GLFLIISGVV SLFIFGFCWL SPALQDLQAT EANCTVLSVQ QIGEVFECTF TCGADCRGTS QYPCVQVYVN NSESNSRALL HSDEHQLLTN PKCSYIPPCK RENQKNLESV MNWQQYWKDE IGSQPFTCYF NQHQRPDVVL LHRTHDEIVL LHCFLWPLVT FVVGVLIVVL TICAKSLAVK AEAMKKRKFS 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.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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:	KCNMB4
Alternative Name:	KCNMB4 (KCNMB4 Products)
Background:	<p>Calcium-activated potassium channel subunit beta-4 (BK channel subunit beta-4) (BKbeta4) (Hbeta4) (Calcium-activated potassium channel, subfamily M subunit beta-4) (Charybdotoxin receptor subunit beta-4) (K(VCA)beta-4) (Maxi K channel subunit beta-4) (Slo-beta-4),FUNCTION: Regulatory subunit of the calcium activated potassium KCNMA1 (maxiK) channel. Modulates the calcium sensitivity and gating kinetics of KCNMA1, thereby contributing to KCNMA1 channel diversity. Decreases the gating kinetics and calcium sensitivity of the KCNMA1 channel, but with fast deactivation kinetics. May decrease KCNMA1 channel openings at low calcium concentrations but increases channel openings at high calcium concentrations. Makes KCNMA1 channel resistant to 100 nM charybdotoxin (CTX) toxin concentrations. {ECO:0000269 PubMed:10692449, ECO:0000269 PubMed:10792058, ECO:0000269 PubMed:10828459}.</p>
Molecular Weight:	23.9 kDa
UniProt:	Q86W47

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
