

Datasheet for ABIN7559661
Kv3.4 Protein (AA 1-628) (His tag)



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Overview

Quantity:	1 mg
Target:	Kv3.4 (KCNC4)
Protein Characteristics:	AA 1-628
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Kv3.4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Kcnc4 Protein expressed in mammalian cells.
Sequence:	MISSVCVSSY RGRKSGNKPP SKTCLKEEMA KGEASEKIII NVGGTRHETY RSTLRTLPGT RLAWLADPDG GGRPESDGGG AGSSGSSGGG GGGGGCEFFF DRHPGVFAYV LNYRYRTGKLH CPADVCGPLF EEELTFWID ETDVEPCCWM TYRQHRDAEE ALDIFESPDG GGGGAGPGDE AGDDERELAL QRLGPHEGGS GPGAGSGGCR GWQPRMWALF EDPYSSRAAR VVAFASLFFI LVSITTFCLE THEAFNIDRN VTEIHRVGN I TSVRFRRREVE TEPILTYIEG VCMWFTLEF LVRIVCCPDT LDFVKNLLNI IDFVAILPFY LEVGLSGLSS KAARDVLGFL RVRVFRILR IFKLTRHFVG LRVLGHTLRA STNEFLLLI FLALGVLIFA TMIYYAERIG ARPSDPRGND HTDFKNIPIG FWWAVVTMTT LYGDMYPKT WSGMLVGALC ALAGVLTIAM PVPVIVNNFG MYYSLAMAKQ KLPKRRKKHV PRPPQLESPI YCKSEETSPR DSTYSSTSP AREEGVVERK RADSKQNGDA NAVLSDEEGA GLTQPLALAP TPEERRALRR SGTRDRNKKA AACFLLSAGD YACADGSRVK EGNVEPKACV PVSHTCAL Sequence without tag. The proposed Purification- Tag is based on experiences with the expression system, a different complexity of the

Product Details

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:

- 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: Kv3.4 (KCNC4)

Alternative Name: Kcnc4 ([KCNC4 Products](#))

Background: Potassium voltage-gated channel subfamily C member 4 (Voltage-gated potassium channel subunit Kv3.4),FUNCTION: This protein mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient (By similarity). {ECO:0000250}.

Molecular Weight: 68.7 kDa

UniProt: [Q8R1C0](#)

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
