

Datasheet for ABIN7554265
Kv3.4 Protein (AA 1-635) (His tag)



[Go to Product page](#)

Overview

| | |
|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | Kv3.4 (KCNC4) |
| Protein Characteristics: | AA 1-635 |
| Origin: | Human |
| 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 GGRPETDGGG VGSSGSSGGG GCEFFDRHP GVFAVVLNYY RTGKLHCPAD VCGPLFEEEL TFWGIDETDV EPCCWMTYRQ HRDAEEALDI FESPDGGGSG AGPSDEAGDD ERELALQRLG PHEGGAGHGA GSGGCRGWQP RMWALFEDPY SSRAARVAF ASLFFILVSI TTFCLETHEA FNIDRNVTEI LRVGNITSVH FRREVETEPI LTYIEGVCVL WFTLEFLVRI VCCPDTLDFV KNLLNIIDFV AILPFYLEVG LSGLSSKAAR DVLGFLRVVR FVRILRIFKL TRHFVGLRVL GHTLRASTNE FLLLIIFLAL GVLIFATMIY YAERIGARPS DPRGNDHTDF KNIPIGFWWA WVTMTTLGYG DMYPKTWSGM LVGALCALAG VLTAMPVPV IVNNFGMYYS LAMAQKLPK KRKKHVPRPA QLESPMYCKS EETSPRDSTC SDTSPAREE GMIERKRADS KQNGDANAVL SDEEGAGLTQ PLASSPTPEE RRALRRSTTR DRNKAAACF LLSTGDYACA DGSVRKGTFFV LRDLPQHSF EAACPPTAGT LFLPH Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity |

Product Details

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:

- 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 (KSHIIIC) (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.

Molecular Weight: 69.8 kDa

UniProt: [Q03721](#)

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
