

Datasheet for ABIN7548774
KCNE4 Protein (AA 1-221) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	KCNE4
Protein Characteristics:	AA 1-221
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNE4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KCNE4 Protein expressed in mammalian cells.
Sequence:	MHFLTIYPNC SSGVVRAQSR TEQKNPLGLD DLGIQNLGQT VSLAPAVEAA SMLKMEPLNS THPGTAASSS PLESRAAGGG SGNGNEYFYI LVVMSFYGIF LIGIMLGYMK SKRREKKSSL LLLYKDEERL WGEAMKPLPV VSGLRSVQVP LMLNMLQESV APALSCTLCS MEGDSVSSSE SSPDVHLTIQ EEGADDELEE TSETPLNESS EGSSENIHQN S 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:	KCNE4
Alternative Name:	KCNE4 (KCNE4 Products)
Background:	<p>Potassium voltage-gated channel subfamily E member 4 (MinK-related peptide 3) (Minimum potassium ion channel-related peptide 3) (Potassium channel subunit beta MiRP3),FUNCTION: Ancillary protein that assembles as a beta subunit with a voltage-gated potassium channel complex of pore-forming alpha subunits. Modulates the gating kinetics and enhances stability of the channel complex. Associates with KCNQ1/KVLQT1 and inhibits potassium currents. {ECO:0000269 PubMed:12096056, ECO:0000269 PubMed:19687231, ECO:0000269 PubMed:20533308, ECO:0000269 PubMed:27162025}., FUNCTION: [Isoform 2]: May inhibit KCNQ4-mediated potassium currents. {ECO:0000269 PubMed:27162025}.</p>
Molecular Weight:	23.8 kDa
UniProt:	Q8WWG9

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.
--------------------	---

Application Details

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