

Datasheet for ABIN7548628
KCNIP4 Protein (AA 1-250) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	KCNIP4
Protein Characteristics:	AA 1-250
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNIP4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KCNIP4 Protein expressed in mammalian cells.
Sequence:	MNVRRVESIS AQLLEASSTG GFLYAQNSTK RSIKERLMKL LPCSAAKTSS PAIQNSVEDE LEMATVRHRP EALELLEAQS KFTKKELQIL YRGFKNECPS GVVNEETFKE IYSQFFPQGD STTYAHFLFN AFDTDHNGAV SFEDFIKGLS ILLRGTVQEK LNWAFNLYDI NKDGYITKEE MLDIMKAIYD MMGKCTYPVL KEDAPRQHVE TFFQKMDKNK DGVVTIDEFI ESCQKDENIM RSMQLFENVI 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:	KCNIP4
Alternative Name:	KCNIP4 (KCNIP4 Products)
Background:	<p>Kv channel-interacting protein 4 (KChIP4) (A-type potassium channel modulatory protein 4) (Calsenilin-like protein) (Potassium channel-interacting protein 4),FUNCTION: Regulatory subunit of Kv4/D (Shal)-type voltage-gated rapidly inactivating A-type potassium channels. Modulates KCND2 channel density, inactivation kinetics and rate of recovery from inactivation in a calcium-dependent and isoform-specific manner (PubMed:11847232, PubMed:18957440, PubMed:23576435). Modulates KCND3/Kv4.3 currents (PubMed:23576435). Isoform 4 does not increase KCND2 expression at the cell membrane (PubMed:18957440). Isoform 4 retains KCND3 in the endoplasmic reticulum and negatively regulates its expression at the cell membrane. {ECO:0000250 UniProtKB:Q6PHZ8, ECO:0000269 PubMed:11847232, ECO:0000269 PubMed:18957440, ECO:0000269 PubMed:23576435}.</p>
Molecular Weight:	28.7 kDa
UniProt:	Q6PIL6

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
