

Datasheet for ABIN7548808
KCNIP2 Protein (AA 1-270) (His tag)



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Overview

Quantity:	1 mg
Target:	KCNIP2
Protein Characteristics:	AA 1-270
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNIP2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KCNIP2 Protein expressed in mammalian cells.
Sequence:	MRGQGRKESL SDSRDLGGSY DQLTGHPGP TKKALKQRFL KLLPCCGPQA LPSVSETLAA PASLRPHRPR LLDPDSVDDE FELSTVCHRP EGGLELQEQT KFTRKELQVL YRGFKNECPS GIVNEENFKQ IYSQFFPQGD SSTYATFLFN AFDTNHDGSV SFEDFVAGLS VILRGTVDDR LNWAFNLYDL NKDGCITKEE MLDIMKSIYD MMGKYTYPAL REEAPREHVE SFFQKMDRNK DGVVTIEEFI ESCQKDENIM RSMQLFDNVI 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:

Product Details

- 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)
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Grade:	custom-made
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Target Details

Target:	KCNIP2
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Alternative Name:	KCNIP2 (KCNIP2 Products)
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Background:	<p>Kv channel-interacting protein 2 (KChIP2) (A-type potassium channel modulatory protein 2) (Cardiac voltage-gated potassium channel modulatory subunit) (Potassium channel-interacting protein 2),FUNCTION: Regulatory subunit of Kv4/D (Shal)-type voltage-gated rapidly inactivating A-type potassium channels. Modulates channel density, inactivation kinetics and rate of recovery from inactivation in a calcium-dependent and isoform-specific manner. In vitro, modulates KCND2/Kv4.2 and KCND3/Kv4.3 currents. Involved in KCND2 and KCND3 trafficking to the cell surface. May be required for the expression of I(To) currents in the heart (By similarity). {ECO:0000250 UniProtKB:Q9JJ69, ECO:0000269 PubMed:10676964, ECO:0000269 PubMed:11287421, ECO:0000269 PubMed:11684073, ECO:0000269 PubMed:12297301, ECO:0000269 PubMed:12829703, ECO:0000269 PubMed:14623880}.</p>
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Molecular Weight:	30.9 kDa
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UniProt:	Q9NS61
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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
