Datasheet for ABIN7562976

KCNE1 Protein (AA 1-129) (His tag)

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Overview

Quantity:	1 mg
Target:	KCNE1
Protein Characteristics:	AA 1-129
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNE1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Kcne1 Protein expressed in mammalian cells.
Sequence:	MSLPNSTTVL PFLARLWQET AEQGGNVSGL ARKSQLRDDS KLEALYILMV LGFFGFFTLG IMLSYIRSKK LEHSHDPFNV YIESDAWQEK GKAVFQARVL ESFRACYVIE NQAAVEQPAT HLPELKPLS **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: • 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.

Product Details

	• 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:	KCNE1
Alternative Name:	Kcne1 (KCNE1 Products)
Background:	Potassium voltage-gated channel subfamily E member 1 (Delayed rectifier potassium channel subunit IsK) (mISK) (IKs producing slow voltage-gated potassium channel subunit beta Mink) (Minimal potassium channel),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. Assembled with KCNB1 modulates the gating characteristics of the delayed rectifier voltage-dependent potassium channel KCNB1. Assembled with KCNQ1/KVLQT1 is proposed to form the slowly activating delayed rectifier cardiac potassium (IKs) channel. The outward current reaches its steady state only after 50 seconds. Assembled with KCNH2/HERG may modulate the rapidly activating component of the delayed rectifying potassium current in heart (IKr). {ECO:0000250|UniProtKB:P15382, ECO:0000250|UniProtKB:P15383}.
Molecular Weight:	14.6 kDa
UniProt:	P23299
Pathways:	Sensory Perception of Sound

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