Datasheet for ABIN7554236

KCNH1 Protein (AA 1-989) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	KCNH1
Protein Characteristics:	AA 1-989
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNH1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KCNH1 Protein expressed in mammalian cells.
Sequence:	MTMAGGRRGL VAPQNTFLEN IVRRSNDTNF VLGNAQIVDW PIVYSNDGFC KLSGYHRAEV MQKSSTCSFM YGELTDKDTI EKVRQTFENY EMNSFEILMY KKNRTPVWFF VKIAPIRNEQ DKVVLFLCTF SDITAFKQPI EDDSCKGWGK FARLTRALTS SRGVLQQLAP SVQKGENVHK HSRLAEVLQL GSDILPQYKQ EAPKTPPHII LHYCVFKTTW DWIILILTFY TAILVPYNVS FKTRQNNVAW LVVDSIVDVI FLVDIVLNFH TTFVGPAGEV ISDPKLIRMN YLKTWFVIDL LSCLPYDVIN AFENVDEVSA FMGDPGKIGF ADQIPPPLEG RESQGISSLF SSLKVVRLLR LGRVARKLDH YIEYGAAVLV LLVCVFGLAA HWMACIWYSI GDYEIFDEDT KTIRNNSWLY QLAMDIGTPY QFNGSGSGKW EGGPSKNSVY ISSLYFTMTS LTSVGFGNIA PSTDIEKIFA VAIMMIGSLL YATIFGNVTT IFQQMYANTN RYHEMLNSVR DFLKLYQVPK GLSERVMDYI VSTWSMSRGI DTEKVLQICP KDMRADICVH LNRKVFKEHP AFRLASDGCL RALAMEFQTV HCAPGDLIYH AGESVDSLCF VVSGSLEVIQ DDEVVAILGK GDVFGDVFWK EATLAQSCAN VRALTYCDLH VIKRDALQKV LEFYTAFSHS FSRNLILTYN LRKRIVFRKI SDVKREEEER

Product Details

	MKRKNEAPLI LPPDHPVRRL FQRFRQQKEA RLAAERGGRD LDDLDVEKGN VLTEHASANH SLVKASVVTV RESPATPVSF QAASTSGVPD HAKLQAPGSE CLGPKGGGGD CAKRKSWARF KDACGKSEDW NKVSKAESME TLPERTKASG EATLKKTDSC DSGITKSDLR LDNVGEARSP QDRSPILAEV KHSFYPIPEQ TLQATVLEVR HELKEDIKAL NAKMTNIEKQ LSEILRILTS RRSSQSPQEL FEISRPQSPE SERDIFGAS **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. • 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:	KCNH1
Alternative Name:	KCNH1 (KCNH1 Products)
Background:	Potassium voltage-gated channel subfamily H member 1 (Ether-a-go-go potassium channel 1) (EAG channel 1) (h-eag) (hEAG1) (Voltage-gated potassium channel subunit Kv10.1),FUNCTION: Pore-forming (alpha) subunit of a voltage-gated delayed rectifier potassium

Target Details

	channel (PubMed:9738473, PubMed:11943152, PubMed:10880439, PubMed:22732247, PubMed:25556795, PubMed:27325704, PubMed:27005320, PubMed:27618660). Channel properties are modulated by subunit assembly (PubMed:11943152). Mediates IK(NI) current in myoblasts (PubMed:9738473). Involved in the regulation of cell proliferation and differentiation, in particular adipogenic and osteogenic differentiation in bone marrow-derived mesenchymal stem cells (MSCs) (PubMed:23881642). {ECO:0000269|PubMed:10880439, ECO:0000269|PubMed:11943152, ECO:0000269|PubMed:22732247, ECO:0000269|PubMed:23881642, ECO:0000269|PubMed:25556795, ECO:0000269|PubMed:27005320, ECO:0000269|PubMed:27325704, ECO:0000269|PubMed:27618660, ECO:0000269|PubMed:9738473}.
Molecular Weight:	111.4 kDa
UniProt:	O95259

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