Datasheet for ABIN7554325

KCNH4 Protein (AA 1-1017) (His tag)

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Overview

Quantity:	1 mg
Target:	KCNH4
Protein Characteristics:	AA 1-1017
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNH4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KCNH4 Protein expressed in mammalian cells.
Sequence:	MPVMKGLLAP QNTFLDTIAT RFDGTHSNFL LANAQGTRGF PIVYCSDGFC ELTGYGRTEV MQKTCSCRFL YGPETSEPAL QRLHKALEGH QEHRAEICFY RKDGSAFWCL LDMMPIKNEM GEVVLFLFSF KDITQSGSPG LGPQGGRGDS NHENSLGRRG ATWKFRSARR RSRTVLHRLT GHFGRRGQGG MKANNNVFEP KPSVPEYKVA SVGGSRCLLL HYSVSKAIWD GLILLATFYV AVTVPYNVCF SGDDDTPITS RHTLVSDIAV EMLFILDIIL NFRTTYVSQS GQVISAPRSI GLHYLATWFF IDLIAALPFD LLYIFNITVT SLVHLLKTVR LLRLLRLLQK LERYSQCSAV VLTLLMSVFA LLAHWMACIW YVIGRREMEA NDPLLWDIGW LHELGKRLEV PYVNGSVGGP SRRSAYIAAL YFTLSSLTSV GFGNVCANTD AEKIFSICTM LIGALMHAVV FGNVTAIIQR MYSRRSLYHS RMKDLKDFIR VHRLPRPLKQ RMLEYFQTTW AVNSGIDANE LLRDFPDELR ADIAMHLNRE ILQLPLFGAA SRGCLRALSL HIKTSFCAPG EYLLRRGDAL QAHYYVCSGS LEVLRDNMVL AILGKGDLIG ADIPEPGQEP GLGADPNFVL KTSADVKALT YCGLQQLSSR GLAEVLRLYP EYGAAFRAGL PRDLTFNLRQ GSDTSGLSRF SRSPRLSQPR SESLGSSSDK

Product Details

	TLPSITEAES GAEPGGGPRP RRPLLLPNLS PARPRGSLVS LLGEELPPFS ALVSSPSLSP SLSPALAGQG HSASPHGPPR CSAAWKPPQL LIPPLGTFGP PDLSPRIVDG IEDSGSTAEA PSFRFSRRPE LPRPRSQAPP TGTRPSPELA SEAEEVKEKV CRLNQEISRL NQEVSQLSRE LRHIMGLLQA RLGPPGHPAG SAWTPDPPCP QLRPPCLSPC ASRPPPSLQD TTLAEVHCPA SVGTMETGTA LLDLRPSILP PYPSEPDPLG PSPVPEASPP TPSLLRHSFQ SRSDTFH **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:	KCNH4
Alternative Name:	KCNH4 (KCNH4 Products)
Background:	Potassium voltage-gated channel subfamily H member 4 (Brain-specific eag-like channel 2) (BEC2) (Ether-a-go-go-like potassium channel 1) (ELK channel 1) (ELK1) (Voltage-gated potassium channel subunit Kv12.3),FUNCTION: Pore-forming (alpha) subunit of voltage-gated

Target Details

	potassium channel. Elicits an outward current, but shows no inactivation. Channel properties may be modulated by cAMP and subunit assembly.
Molecular Weight:	111.7 kDa
UniProt:	Q9UQ05

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