Datasheet for ABIN7554237

KCNH6 Protein (AA 1-994) (His tag)

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Overview

Quantity:	1 mg
Target:	KCNH6
Protein Characteristics:	AA 1-994
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNH6 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KCNH6 Protein expressed in mammalian cells.
Sequence:	MPVRRGHVAP QNTYLDTIIR KFEGQSRKFL IANAQMENCA IIYCNDGFCE LFGYSRVEVM QQPCTCDFLT GPNTPSSAVS RLAQALLGAE ECKVDILYYR KDASSFRCLV DVVPVKNEDG AVIMFILNFE DLAQLLAKCS SRSLSQRLLS QSFLGSEGSH GRPGGPGPGT GRGKYRTISQ IPQFTLNFVE FNLEKHRSSS TTEIEIIAPH KVVERTQNVT EKVTQVLSLG ADVLPEYKLQ APRIHRWTIL HYSPFKAVWD WLILLLVIYT AVFTPYSAAF LLSDQDESRR GACSYTCSPL TVVDLIVDIM FVVDIVINFR TTYVNTNDEV VSHPRRIAVH YFKGWFLIDM VAAIPFDLLI FRTGSDETTT LIGLLKTARL LRLVRVARKL DRYSEYGAAV LFLLMCTFAL IAHWLACIWY AIGNVERPYL EHKIGWLDSL GVQLGKRYNG SDPASGPSVQ DKYVTALYFT FSSLTSVGFG NVSPNTNSEK VFSICVMLIG SLMYASIFGN VSAIIQRLYS GTARYHTQML RVKEFIRFHQ IPNPLRQRLE EYFQHAWSYT NGIDMNAVLK GFPECLQADI CLHLHRALLQ HCPAFSGAGK GCLRALAVKF KTTHAPPGDT LVHLGDVLST LYFISRGSIE ILRDDVVVAI LGKNDIFGEP VSLHAQPGKS SADVRALTYC DLHKIQRADL LEVLDMYPAF AESFWSKLEV TFNLRDAAGG

Product Details

	LHSSPRQAPG SQDHQGFFLS DNQSGSPHEL GPQFPSKGYS LLGPGSQNSM GAGPCAPGHP DAAPPLSISD ASGLWPELLQ EMPPRHSPQS PQEDPDCWPL KLGSRLEQLQ AQMNRLESRV SSDLSRILQL LQKPMPQGHA SYILEAPASN DLALVPIASE TTSPGPRLPQ GFLPPAQTPS YGDLDDCSPK HRNSSPRMPH LAVATDKTLA PSSEQEQPEG LWPPLASPLH PLEVQGLICG PCFSSLPEHL GSVPKQLDFQ RHGSDPGFAG SWGH **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:	KCNH6
Alternative Name:	KCNH6 (KCNH6 Products)
Background:	Potassium voltage-gated channel subfamily H member 6 (Ether-a-go-go-related gene potassium channel 2) (ERG-2) (Eag-related protein 2) (Ether-a-go-go-related protein 2) (hERG-2) (hERG2) (Voltage-gated potassium channel subunit Kv11.2),FUNCTION: Pore-forming (alpha)

Target Details

	subunit of voltage-gated potassium channel. Elicits a slowly activating, rectifying current (By similarity). Channel properties may be modulated by cAMP and subunit assembly. {ECO:0000250}.
Molecular Weight:	109.9 kDa
UniProt:	Q9H252

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