Datasheet for ABIN7554238

KCNH8 Protein (AA 1-1107) (His tag)

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Overview

Quantity:	1 mg
Target:	KCNH8
Protein Characteristics:	AA 1-1107
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNH8 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KCNH8 Protein expressed in mammalian cells.
Sequence:	MPVMKGLLAP QNTFLDTIAT RFDGTHSNFI LANAQVAKGF PIVYCSDGFC ELAGFARTEV MQKSCSCKFL FGVETNEQLM LQIEKSLEEK TEFKGEIMFY KKNGSPFWCL LDIVPIKNEK GDVVLFLASF KDITDTKVKI TPEDKKEDKV KGRSRAGTHF DSARRRSRAV LYHISGHLQR REKNKLKINN NVFVDKPAFP EYKVSDAKKS KFILLHFSTF KAGWDWLILL ATFYVAVTVP YNVCFIGNDD LSTTRSTTVS DIAVEILFII DIILNFRTTY VSKSGQVIFE ARSICIHYVT TWFIIDLIAA LPFDLLYAFN VTVVSLVHLL KTVRLLRLLR LLQKLDRYSQ HSTIVLTLLM SMFALLAHWM ACIWYVIGKM EREDNSLLKW EVGWLHELGK RLESPYYGNN TLGGPSIRSA YIAALYFTLS SLTSVGFGNV SANTDAEKIF SICTMLIGAL MHALVFGNVT AIIQRMYSRW SLYHTRTKDL KDFIRVHHLP QQLKQRMLEY FQTTWSVNNG IDSNELLKDF PDELRSDITM HLNKEILQLS LFECASRGCL RSLSLHIKTS FCAPGEYLLR QGDALQAIYF VCSGSMEVLK DSMVLAILGK GDLIGANLSI KDQVIKTNAD VKALTYCDLQ CIILKGLFEV LDLYPEYAHK FVEDIQHDLT YNLREGHESD VISRLSNKSM VSQSEPKGNG NINKRLPSIV EDEEEEEEGE EEEAVSLSPI

Product Details

	CTRGSSSRNK KVGSNKAYLG LSLKQLASGT VPFHSPIRVS RSNSPKTKQE IDPPNHNKRK EKNLKLQLST LNNAGPPDLS PRIVDGIEDG NSSEESQTFD FGSERIRSEP RISPPLGDPE IGAAVLFIKA EETKQQINKL NSEVTTLTQE VSQLGKDMRN VIQLLENVLS PQQPSRFCSL HSTSVCPSRE SLQTRTSWSA HQPCLHLQTG GAAYTQAQLC SSNITSDIWS VDPSSVGSSP QRTGAHEQNP ADSELYHSPS LDYSPSHYQV VQEGHLQFLR CISPHSDSTL TPLQSISATL SSSVCSSSET SLHLVLPSRS EEGSFSQGTV SSFSLENLPG SWNQEGMASA STKPLENLPL EVVTSTAEVK DNKAINV **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:	KCNH8
Alternative Name:	KCNH8 (KCNH8 Products)
Background:	Potassium voltage-gated channel subfamily H member 8 (ELK1) (hElk1) (Ether-a-go-go-like potassium channel 3) (ELK channel 3) (ELK3) (Voltage-gated potassium channel subunit

Target Details

	Kv12.1),FUNCTION: Pore-forming (alpha) subunit of voltage-gated potassium channel. Elicits a slowly activating, outward rectifying current. Channel properties may be modulated by cAMP and subunit assembly.
Molecular Weight:	123.8 kDa
UniProt:	Q96L42
Pathways:	RTK Signaling

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

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