

Datasheet for ABIN7563473  
**KCNH8 Protein (AA 1-1102) (His tag)**



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## Overview

Quantity:	1 mg
Target:	KCNH8
Protein Characteristics:	AA 1-1102
Origin:	Mouse
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 VEFKGEIMFY KKN GAPFWCL LDIVPIKNEK GDVVLFLASF KDITDTKVKI TSEDKKEDRT KGRSRAGSHF DSARRRSRAV LYHISGHLQR REKNKLKINN NVFVDKPAFP EYKASDAKKS K FILLHFSTF KAGWDWLILL ATFYVAVTVP YNVCFIGNED LSTTRSTTVS DIAVEILFII DIILNFRTTY VSKSGQVIFE ARSICIHVVT TWFIIDLIAA LPFDLLYAFN VTVVSLVHLL KTVRLLRLLR LLQKLD RYSQ HSTIVLTL LM SMFALLAHWM ACIWYVIGKM EREDNSLLKW EVGWLHEL GK RLESPYYGNN TLGGPSIRSA YIAALYFTLS SLTSVGF GNV SANTDAEKIF SICTMLIGAL MHALVFGNVT AIIQRMYSRW SLYHTRTKDL KDFIRVHHLP QQLKQRMLEY FQTTWSV NNG IDSNELLKDF PDELRS DITM HLNKEILQLS LFECASRGCL RSLSLHIKTS FCAPGEYLLR QGDALQAIYF VCSGSMEVLK DSMVLAILGK GDLIGANLSI KDQVIKT NAD VKALTYCDLQ CIILKGLFEV LGLYPEYAHK FVEDIQHDLT YNLREGHESD VISRLSNKST VSQAEPK GNG SINKRLPSIV EDEEEEEVEE EETTSLSPIY

## Product Details

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TRGSSVSHSK KTGSNKTYLG LSLKQLASGT VPFHSPIRVS SANSPKTKQE ADPPNHGRKK  
EKNLKVQLSS LGSAGTPELS PRIVDGIEDG NSNEETQTFD FGSEQIRPEP RISPPLAESE  
IGAAFLFIKA EETKQQINKL NSEVTTLTQE VSQ LGRDMRS IMQLLENILS PQQPSQFCSL  
HPTPMCPSRE SLQTRVSWA HQPCLHLQAG GAHLYHGNVA SGIWSVDPSL VGSSPQRTEA  
HEQNPADSEL HHSPNLDYSP SHCQVIQEGH LQFLRCISPH SDTTLTPLQS ISATLSSSVC  
SSSETSLHLV LPSRSEEGSI THGPVSSFSL ENLPGSWDRE QMMSASSERL ENFPVEVVT  
TADVKDSKAI NV **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

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**Target:** KCNH8

**Alternative Name:** Kcnh8 ([KCNH8 Products](#))

**Background:** Potassium voltage-gated channel subfamily H member 8 (Ether-a-go-go-like potassium channel 3) (ELK channel 3) (ELK3) (Voltage-gated potassium channel subunit Kv12.1),FUNCTION: Pore-

## Target Details

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forming (alpha) subunit of voltage-gated potassium channel. Elicits a slowly activating, outward rectifying current (By similarity). Channel properties may be modulated by cAMP and subunit assembly (By similarity). {ECO:0000250}.

Molecular Weight: 123.3 kDa

UniProt: [P59111](#)

Pathways: [RTK Signaling](#)

## Application Details

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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

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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