

Datasheet for ABIN7564840  
**KCNH5 Protein (AA 1-988) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	KCNH5
Protein Characteristics:	AA 1-988
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNH5 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Kcnh5 Protein expressed in mammalian cells.
Sequence:	MPGGKRGLVA PQNTFLENIV RRSSESSFLG GNAQIVDWPV VYSNDGFCKL SGYHRADVMQ KSSTCSFMYG ELTDKKTIEK VRQTFDNYES NCFEVLLYKK NRTPVWFYMQ IAPIRNEHEK VVLFLCTFKD ITLQKPIED DSTKGWTKFA RLTRALTNSR SVLQQLTPMN KTETVHKHSR LAEVLQLGSD ILPQYKQEAP KTPPHIILHY CAFKTTWDWV ILILTFYTAI MVPYNVSFKT KQNNIAWLVL DSVVDVIFLV DIVLNFHTTF VGPGGEVISD PKLIRMNYLK TWFVIDLLSC LPYDIINAFE NVDEGISSLF SSLKWVRLLR LGRVARKLDH YLEYGAAVLV LLVCFVGLVA HWLACIWYSI GDYEVIDEVT NTIQIDSWLY QLALSIGTPY RYNTSAGIWE GGPSKDSLIV SSLYFTMTSL TTIGFGNIAP TTDVEKMFSV AMMMVGSLLY ATIFGNVTTI FQQMYANTNR YHEMLNNVRD FLKLYQVPKG LSERVMYDVIY STWSMSKIDG TEKVLSICPK DMRADICVHL NRKVFNEHPA FRLASDGCLR ALAVEFQTIH CAPGDLIYHA GESVDALCFV VSGSLEVIQD EEVAILGKG DVFGDIFWKE TTLAHACANV RALTYCDLHI IKREALLKVL DFYTAFANSF SRNLTLTCNL RKRIIFRKIS DVKKEEEEERL RQKNEVTLSI PVDHPVRKLF QKFKQQKELR

## Product Details

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IQGSAQSDPE RSQLQVESRP LQNGASITGT SVTVSQITP IQTSLAYVKT SESLKQNNRD  
AMELKPNGGA EPKCLKVNSP IRMKNNGNGKG WLRLKNNMGA QEEKKEDWNN VTKAESMGLL  
SEDPKGS DSE NSVTKNPLRK TDSCDSGITK SDLRLDKAGE ARSPLEHSPS QADVKHSFYF  
IPEQALQTTL QEVKHELKED IQLLS CRMTA LEKQVAEILK LLSEKSVPT SSKPKQIPLQ  
VPPQIPCQDI FSVSRPESPE SDKDEINF **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:** KCNH5

**Alternative Name:** Kcnh5 ([KCNH5 Products](#))

**Background:** Potassium voltage-gated channel subfamily H member 5 (Ether-a-go-go potassium channel 2) (Eag2) (Voltage-gated potassium channel subunit Kv10.2),FUNCTION: Pore-forming (alpha) subunit of voltage-gated potassium channel. Elicits a non-inactivating outward rectifying current (By similarity). Channel properties may be modulated by cAMP and subunit assembly.

## Target Details

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{ECO:0000250}.

Molecular Weight: 111.8 kDa

UniProt: [Q920E3](#)

## 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