

[Go to Product page](#)

Datasheet for ABIN7562285
KCNH2 Protein (AA 1-1162) (His tag)

Overview

Quantity:	1 mg
Target:	KCNH2
Protein Characteristics:	AA 1-1162
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNH2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Kcnh2 Protein expressed in mammalien cells.
Sequence:	MPVRRGHVAP QNTFLDITIIR KFEGQSRKFI IANARVENCA VIYCNDGFCE LCGYSRAEVM QRPCTCDFLH GPRTQRRAAA QIAQALLGAE ERKVEIAFYR KDGSCFLCLV DVVPVKNEGDG AVIMFILNFE VMEKDMVGS PAHDTNHRGP STSWLASGRA KTFRLKLPAL LALTARESSV RTGSMHSAGA PGAVVVDVDL TPAAPSSSESL ALDEVSAMDN HVAGLGPAEE RRALVGP GSA SPVASIRGPH PSPRAQSLNP DASGSSCSLA RTRSRESCAS VRRASSADDI EAMRAGALPP PPRHASTGAM HPLRSGLLNS TSDSDLVRYR TISKIPQITL NFVDLKGDPF LASPTSDREI IAPKIKERTH NVTEKVTQVL SLGADVLPEY KLQAPRIHRW TILHYS PFKA VWDWLILLLV IYTAVFTPYS AAFLLKETED GSQAPDCGYA CQPLAVVDLI VDIMFIVDIL INFRTTYVNA NEEVVSHPGR IAVHYFKGWF LIDMVAAIPF DLLIFGSGSE ELIGLLKTAR LLRLVRVARK LDRYSEYGAA VLFLLMCTFA LIAHWLACIW YAIGNMEQPH MDSHIGWLHN LGDQIGKPYN SSGLGGPSIK DKYVTALYFT FSSLTSVGFV NVSPNTNSEK IFSICVMLIG SLMYASIFGN

Product Details

VSIIQRLYS GTARYHTQML RVREFIRFHQ IPNPLRQRLE EYFQHAWSYT NGIDMNAVLK
GFPECLQADI CLHLNRSLLQ HCKPFRGATK GCLRALAMKF KTTHAPPGDT LVHAGDLLTA
LYFISRGSIE ILRGDVVVAI LGKNDIFGEP LNLYPGPKS NGDVRLTYC DLHKIHRDDL
LEVLDMYPEF SDHFWSSLEI TFNLRDTNMI PGSPGSAELE SGFNRQRKRK LSFRRRTDKD
TEQPGEVSAL GQGPARGPG PSCRGQPGGP WGESPPSSGPS SPESEDEGP GRSSSPLRLV
PFSSPRPPGD PPGGEPLTED GEKSDTCNPL SGAFSGVSNI FSWGDSRGR QYQELPRCPA
PAPSLNIPPL SSPGRRSRGD VESRLDALQR QLNRLLETRLA ADMATVLQLL QRQMTLVPPA
YSAVTPGPG PTSASPLLPV GPVPTLTLDS LSQVSQFVAF EELPAGAPEL PQDGPTRRLS
LPGQLGALTS QPLHRHGSDP GS **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

KCNH2

Alternative Name:

Kcnh2 ([KCNH2 Products](#))

Background:

Potassium voltage-gated channel subfamily H member 2 (Ether-a-go-go-related gene potassium channel 1) (ERG-1) (Eag-related protein 1) (Ether-a-go-go-related protein 1) (MERG)

Target Details

(Voltage-gated potassium channel subunit Kv11.1),FUNCTION: Pore-forming (alpha) subunit of voltage-gated inwardly rectifying potassium channel. Channel properties are modulated by cAMP and subunit assembly. Mediates the rapidly activating component of the delayed rectifying potassium current in heart (IKr) (By similarity). {ECO:0000250|UniProtKB:Q12809}.

Molecular Weight: 126.9 kDa

UniProt: [O35219](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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