

Datasheet for ABIN7554247
KCNH7 Protein (AA 1-1196) (His tag)



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Overview

Quantity:	1 mg
Target:	KCNH7
Protein Characteristics:	AA 1-1196
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNH7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KCNH7 Protein expressed in mammalian cells.
Sequence:	MPVRRGHVAP QNTFLGTIIR KFEGQNKKFI IANARVQNCA IYCNDGFCE MTGFSRPDVM QKPCTCDFLH GPETKRHDIA QIAQALLGSE ERKVEVTTYH KNGSTFICNT HIIPVKNQEG VAMMFIINFE YVTDNENAAT PERVNPILPI KTVNRKFFGF KFPGLRVLTY RKQSLPQEDP DVVVIDSSKH SDDSVAMKHF KSPTKESCSP SEADDTKALI QPSKCSPLVN ISGPLDHSSP KRQWDRLYPD MLQSSSQLSH SRSRESLCSI RRASSVHDIE GFGVHPKNIF RDRHASEDNG RNVKGFPHNI KSSLLGSTSD SNLNKYSTIN KIPQLTLNFS EVKTEKKNSS PPSSDKTIIA PKVKDRTHNV TEKVTQVLSL GADVLPEYKL QTPRINKFTI LHYSPPKAVW DWLILLVIY TAIFTPYSA FLLNDREEQK RREGYSCSP LNVVDLIVDI MFIIDILINF RTTYVNQNEE VVSDPAKIAI HYFKGWFLID MVAaipfdll IFGSGSDETT TLIGLLKTAR LLRLVRVARK LDRYSEYGAA VLMLLMCIFA LIAHWLACIW YAIGNVERPY LTKIGWLDS LGQQIGKRYN DSDSSSGPSI KDKYVTALYF TFSSLTSVGF GNVSPNTNSE KIFSICVMLI GSLMYASIFG NVSAIQRLY SGTARYHMQM LRVKEFIRFH QIPNPLRQRL EEYFQHAWTY TNGIDMMNVL KGFPECLQAD

Product Details

ICLHLNQTLT QNCKAFRGAS KGCLRALAMK FKTTTHAPPGD TLVHCGDVLV ALYFLSRGSI
EILKDDIVVA ILGKNDIFGE MVHLYAKPGK SNADVRLTY CDLHKIQRED LLEVLDMYPE
FSDHFLTLE LTFNLRHESA KADLLRSQSM NDSEGDNCKL RRRKLSFESE GEKENSTNDP
EDSADTIRHY QSSKRHFEEK KSRSSSFISS IDDEQKPLFS GIVDSSPGIG KASGLDFEET
VPTSGRMHID KRSHSCKDIT DMRSWERENA HPQPEDSSPS ALQRAAWGIS ETESDLTYGE
VEQRDLLQE QLNRLSQMT TDIQTILQLL QKQTTVVPPA YSMVTAGSEY QRPIQLMRT
SQPEASIKTD RSFSPSSQCP EFLDLEKSKL KSKESSLSSGV HLNTASEDNL TSLKQDSDL
SLELHLRQRK TYVHPIRHPS LPDSSLSTVG IVGLHRHVSD PGLPGK **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: KCNH7

Alternative Name: KCNH7 ([KCNH7 Products](#))

Target Details

Background: Potassium voltage-gated channel subfamily H member 7 (Ether-a-go-go-related gene potassium channel 3) (ERG-3) (Eag-related protein 3) (Ether-a-go-go-related protein 3) (hERG-3) (Voltage-gated potassium channel subunit Kv11.3),FUNCTION: Pore-forming (alpha) subunit of voltage-gated potassium channel. Channel properties may be modulated by cAMP and subunit assembly.

Molecular Weight: 135.0 kDa

UniProt: [Q9NS40](#)

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