

Datasheet for ABIN7562654  
**HCN3 Protein (AA 1-779) (His tag)**



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## Overview

Quantity:	1 mg
Target:	HCN3
Protein Characteristics:	AA 1-779
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HCN3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Hcn3 Protein expressed in mammalien cells.
Sequence:	MEEEARPAAG AGEAATPARE TPPAAPAQAR AASGGVPESA PEPKRRQLGT LLQPTVNFKS LRVFGSHKAV EIEQERVKSA GAWIIHPYSD FRFYWDLIML LLMVGNLIVL PVGITFFKEE NSPPWIVFNV LSDTFFLLDL VLNFRGTGIVV EEGAEILLAP RAIRTRYLRT WFLVDLISSI PVDYIFLVVE LEPRLDAEVY KTARALRIVR FTKILSLLRL LRLSRLIRYI HQWEEIFHMT YDLASAVVRI FNLIGMMLLL CHWDGCLQFL VPMLQDFPSD CWVSMNRMVN HSWGRQYSHA LFKAMSHMLC IGYGQQAPVG MPDVWL TMLS MIVGATCYAM FIGHATALIQ SLDSSRRQYQ EKYKQVEQYM SFHKLPADTR QRIHEYEHYR YQGKMFDEES ILGELSEPLR EEIINFCTCRG LVAHMPLFAH ADPSFVTAVL TKLRFEVFQP GDLVVREGSV GRKMYFIQHG LLSVLARGAR DTRLTDGSYF GEICLLTRGR RTASVRADTY CRLYSLSVDH FNAVLEEFPM MRRAFETVAM DRLRRIGKKN SILQRKRSEP SPGSSGGVME QHLVQHDRDM ARGVRGLAPG TGARLSGKPV LWEPLVHAPL QAAAVTSNVA IALTHQRGPL PLSPDSPATL LARSARRSAG SPASPLVPVR AGPLLARGPW

## Product Details

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ASTSRLPAPP ARTLHASLSR TGRSQVSLLG PPPGGGARRL GPRGRPLSAS QPSLPQRATG  
DGSPRRKGGG SERLPSSGLL AKPPGTVQPP RSSVPEPVTP RGPQISANM **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.**

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

HCN3

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### Alternative Name:

Hcn3 ([HCN3 Products](#))

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### Background:

Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 3 (Hyperpolarization-activated cation channel 3) (HAC-3),FUNCTION: Hyperpolarization-activated potassium channel. May also facilitate the permeation of sodium ions.  
{ECO:0000269|PubMed:15923185}.

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### Molecular Weight:

86.6 kDa

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### UniProt:

[O88705](#)

## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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