

Datasheet for ABIN7552330  
**ASIC3 Protein (AA 1-531) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ASIC3 (ACCN3)
Protein Characteristics:	AA 1-531
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ASIC3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant ASIC3 Protein expressed in mammalian cells.
Sequence:	<p>MKPTSGPEEA RRPASDIRVF ASNCSMHGLG HVFGPGSLSL RRGMWAAAVV LSVATFLYQV AERVRYREF HHQTALDERE SHRLIFPAVT LCNINPLRRS RLTPNDLHWA GSALLGLDPA EHA AFLRALG RPPAPPGFMP SPTFDMAQLY ARAGHSLDDM LLDCRFRGQP CGPENFTTIF TRMGKCYTFN SGADGAELLT TTRGGMGNGL DIMLDVQEE YLPVWRDNEE TPFEVGIRVQ IHSQEEPPII DQLGLGVSPG YQTFVSCQQQ QLSFLPPPWG DCSSASLNPN YEPEPSDPLG SPSPSPSPPY TLMGCRLACE TRYVARKCGC RMVYMPGDVP VCSPQQYKNC AHPAIDAMLR KDSCACPNPC ASTRYAKELS MVRIPSRAAA RFLARKLNRS EAYIAENVLA LDIFFEALNY ETVEQKKAYE MSELLGDIGG QMGLFIGASL LTILEILDYL CEVFRDKVLG YFWNRQHSQR HSSTNLLQEG LGSVRTQVPH LSLGPRPPTP PCAVTKTLISA SHRTCYLVTQ L <b>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.</b></p>

## Product Details

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**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.

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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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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**Grade:** custom-made

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## Target Details

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**Target:** ASIC3 (ACCN3)

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**Alternative Name:** ASIC3 ([ACCN3 Products](#))

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**Background:** Acid-sensing ion channel 3 (ASIC3) (hASIC3) (Amiloride-sensitive cation channel 3) (Neuronal amiloride-sensitive cation channel 3) (Testis sodium channel 1) (hTNaC1),FUNCTION: Cation channel with high affinity for sodium, which is gated by extracellular protons and inhibited by the diuretic amiloride. Generates a biphasic current with a fast inactivating and a slow sustained phase. In sensory neurons is proposed to mediate the pain induced by acidosis that occurs in ischemic, damaged or inflamed tissue. May be involved in hyperalgesia. May play a role in mechanoreception. Heteromeric channel assembly seems to modulate channel properties. {ECO:0000269|PubMed:9744806, ECO:0000269|PubMed:9886053}.

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**Molecular Weight:** 58.9 kDa

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**UniProt:** [Q9UHC3](#)

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## 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.

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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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