

Datasheet for ABIN7552366
ACCN1 Protein (AA 1-512) (His tag)



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Overview

Quantity:	1 mg
Target:	ACCN1
Protein Characteristics:	AA 1-512
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACCN1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ASIC2 Protein expressed in mammalian cells.
Sequence:	<p>MDLKESPSEG SLQPSSIQIF ANTSTLHGIR HIFVYGPLTI RRVLWAVAFV GSLGLLLVES SERVSYYSY QHVTKVDEVV AQLVFPVAVT LCNLNGFRFS RLTTNDLYHA GELLALLDVN LQIPDPHLAD PSVLEALRQK ANFKHYKPKQ FSMLEFLHRV GHDLKDMMLY CKFKGQECGH QDFTTVFTKY GKCYMFNSGE DGKPLTTVK GGTGNLEIM LDIQQDEYLP IWGETEETTF EAGVKVQIHS QSEPPFIQEL GFGVAPGFQT FVATQEQLT YLPPPWGEGR SSEMGLDFFP VYSITACRID CETRYIVENC NCRMVHMPGD APFCTPEQHK ECAEPALGLL AEKDSNYCLC RTPCNLTRYN KELSVMKIPS KTSKYLEKK FNKSEKYISE NILVLDIFFE ALNYETIEQK KAYEVAALLG DIGGQMGLFI GASILTILEL FDYIYELIKE KLLDLLGKEE DEGSHDENVS TCDTMPNHSE TISHTVNVPL QTTLGTLEEI AC</p> <p>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.</p>

Product Details

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: ACCN1

Alternative Name: ASIC2 ([ACCN1 Products](#))

Background: Acid-sensing ion channel 2 (ASIC2) (Amiloride-sensitive brain sodium channel) (Amiloride-sensitive cation channel 1, neuronal) (Amiloride-sensitive cation channel neuronal 1) (Brain sodium channel 1) (BNC1) (BNaC1) (Mammalian degenerin homolog) (MDEG),FUNCTION: Cation channel with high affinity for sodium, which is gated by extracellular protons and inhibited by the diuretic amiloride. Also permeable for Li(+) and K(+). Generates a biphasic current with a fast inactivating and a slow sustained phase. Heteromeric channel assembly seems to modulate.

Molecular Weight: 57.7 kDa

UniProt: [Q16515](#)

Pathways: [Sensory Perception of Sound](#)

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
