

# **Product datasheet for PH310409**

#### OriGene Technologies, Inc.

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### ACCN1 (ASIC2) (NM 001094) Human Mass Spec Standard

**Product data:** 

**Product Type:** Mass Spec Standards

**Description:** ACCN1 MS Standard C13 and N15-labeled recombinant protein (NP\_001085)

Species: Human **HEK293 Expression Host: Expression cDNA Clone** 

RC210409

or AA Sequence: Predicted MW:

57.7 kDa

>RC210409 protein sequence **Protein Sequence:** 

Red=Cloning site Green=Tags(s)

MDLKESPSEGSLQPSSIQIFANTSTLHGIRHIFVYGPLTIRRVLWAVAFVGSLGLLLVESSERVSYYFSY QHVTKVDEVVAQSLVFPAVTLCNLNGFRFSRLTTNDLYHAGELLALLDVNLQIPDPHLADPSVLEALRQK ANFKHYKPKQFSMLEFLHRVGHDLKDMMLYCKFKGQECGHQDFTTVFTKYGKCYMFNSGEDGKPLLTTVK GGTGNGLEIMLDIQQDEYLPIWGETEETTFEAGVKVQIHSQSEPPFIQELGFGVAPGFQTFVATQEQRLT YLPPPWGECRSSEMGLDFFPVYSITACRIDCETRYIVENCNCRMVHMPGDAPFCTPEQHKECAEPALGLL AEKDSNYCLCRTPCNLTRYNKELSMVKIPSKTSAKYLEKKFNKSEKYISENILVLDIFFEALNYETIEQK KAYEVAALLGDIGGOMGLFIGASILTILELFDYIYELIKEKLLDLLGKEEDEGSHDENVSTCDTMPNHSE

TISHTVNVPLQTTLGTLEEIAC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

C-Myc/DDK Tag:

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Labeling Method:** Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Store at -80°C. Avoid repeated freeze-thaw cycles. Storage:

Stable for 3 months from receipt of products under proper storage and handling conditions. Stability:

RefSeq: NP 001085

RefSeq Size: 2747 RefSeq ORF: 1536





#### ACCN1 (ASIC2) (NM\_001094) Human Mass Spec Standard - PH310409

Synonyms: ACCN; ACCN1; ASIC2a; BNaC1; BNC1; hBNaC1; MDEG

Locus ID: 40

UniProt ID: Q16515

Cytogenetics: 17q11.2-q12

Summary: This gene encodes a member of the degenerin/epithelial sodium channel (DEG/ENaC)

superfamily. The members of this family are amiloride-sensitive sodium channels that contain

intracellular N and C termini, 2 hydrophobic transmembrane regions, and a large

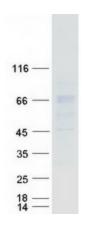
extracellular loop, which has many cysteine residues with conserved spacing. The member encoded by this gene may play a role in neurotransmission. In addition, a heteromeric association between this member and acid-sensing (proton-gated) ion channel 3 has been observed to co-assemble into proton-gated channels sensitive to gadolinium. Alternative splicing has been observed at this locus and two variants, encoding distinct isoforms, have

been identified. [provided by RefSeq, Feb 2012]

**Protein Families:** Druggable Genome, Ion Channels: Other

**Protein Pathways:** Taste transduction

## **Product images:**



Coomassie blue staining of purified ASIC2 protein (Cat# [TP310409]). The protein was produced from HEK293T cells transfected with ASIC2 cDNA clone (Cat# [RC210409]) using MegaTran 2.0 (Cat# [TT210002]).