

## Product datasheet for PH310409

### 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
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210409
Predicted MW:	57.7 kDa
Protein Sequence:	>RC210409 protein sequence Red=Cloning site Green=Tags(s)

MDLKESPSEGLQPSSIQIFANTSTLHGIRHIFVYGPLTIRRVLWAVAFVGSGLLLVESSERSVYFSY  
QHVTKVDEVVAQSLVFPVAVTLCNLNGFRFSRLTTNDLYHAGELLALLDVNLQIPDPLADPSVLEALRQK  
ANFKHYKPKQFSMLEFLHRVGHDLKDMMLYCKFKGQECGHQDFTTVFTKYGKCYMFNSGEGDKPLLTTVK  
GGTGNGLEIMLDIQQDEYLPWGETEETTFEAGVKVQIHSQSEPPFIQELGFGVAPGFQTFVATQEQRLT  
YLPPPWGECRSSEMGLDFFPVYSITACRIDCETRYIVENCNCRMVHMPGDAPFCTPEQHKECAEPALGLL  
AEKDSNYCLCRTPCNLTRYNKELSMVKIPSKTSAKYLEKKFNKSEKYISENILVLDIFFEALNYETIEQK  
KAYEVAALLGDIGGMGLFIGASILTILELFDYIYELIKEKLLDLLGKEEDEGSHDENVSTCDTMPNHSE  
TISHTVNVPLQTTLGTLEEIAC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_001085</a></u>
RefSeq Size:	2747
RefSeq ORF:	1536



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**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]).