

## Product datasheet for **TP310409**

### ACCN1 (ASIC2) (NM\_001094) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human amiloride-sensitive cation channel 1, neuronal (ACCN1), transcript variant 2, 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC210409 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MDLKESPSEGLQPSSIQIFANTSTLHGIRHIFVYGPLTIRRVLWAVAFVGSGLLLVESSERSVSYFSY  
QHVTKVDEVWAQSLVFPVAVTLCNLNGFRFSRLTTNDLYHAGELLALLDVNLQIPDPLADPSVLEALRQK  
ANFKHYKPKQFSMLEFLHRVGHDLKDMMLYCKFKGQECGHQDFTTVFTKYGKCYMFNSGEDGKPLLTVK  
GGTGNLEIMLDIQQDEYLPWGETEETTFEAGVKVQIHSQSEPPFIQELGFGVAPGFQTFVATQEQRLLT  
YLPPPWGECRSSEMGLDFFPVYSITACRIDCETRYIVENCNCRMVHMPGDAPFCTPEQHKECAEPALGLL  
AEKDSNYCLCRTPCNLTRYNKELSMVKIPSKTSAKYLEKKFNKSEKYISENILVLDIFFEALNYETIEQK  
KAYEVAALLGDIGGQMGLFIGASILTILELFDYIYELIKEKLLDLLGKEEDEGSHDENVSTCDTMPNHSE  
TISHTVNVPLQTTLGTLEEIAC

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 57.5 kDa

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

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

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

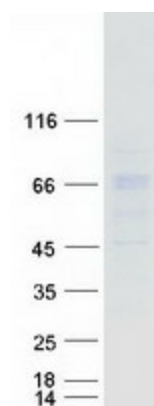
**Storage:** Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001085</a>
<b>Locus ID:</b>	40
<b>UniProt ID:</b>	<a href="#">Q16515</a>
<b>RefSeq Size:</b>	2747
<b>Cytogenetics:</b>	17q11.2-q12
<b>RefSeq ORF:</b>	1536
<b>Synonyms:</b>	ACCN; ACCN1; ASIC2a; BNaC1; BNC1; hBNaC1; MDEG
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Other
<b>Protein Pathways:</b>	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]).