

Product datasheet for **TP310409M**

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, 100 µg

Species: Human

Expression Host: HEK293T

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

MDLKESPSEGLQPSSIQIFANTSTLHGIRHIFVYGPLTIRRVLWAVAFVGSGLLLVESSERSVSYFSY
QHVTKVDEVWAQSLVFPVAVTLCNLNGFRFSRLTTNDLYHAGELLALLDVNLQIPDPLADPSVLEALRQK
ANFKHYKPKQFSMLEFLHRVGHDLKDMMLYCKFKGQECGHQDFTTVFTKYGKCYMFNSGEDGKPLTTVK
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.

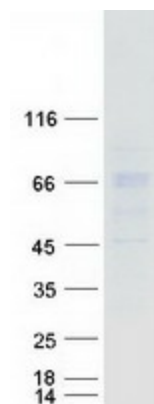
Storage: Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001085
Locus ID:	40
UniProt ID:	Q16515
RefSeq Size:	2747
Cytogenetics:	17q11.2-q12
RefSeq ORF:	1536
Synonyms:	ACCN; ACCN1; ASIC2a; BNaC1; BNC1; hBNaC1; MDEG
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]).