

Recombinant Human ACCN1 293 Cell Lysate

Cat. No. ASIC2-9103HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for amiloride-sensitive cation channel 1, neuronal (ACCN1), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	ASIC2?acid-sensing (proton-gated) ion channel 2 [?Homo sapiens?(human)]
Official Symbol	ASIC2
Synonyms	ASIC2; acid-sensing (proton-gated) ion channel 2; ACCN; BNC1; MDEG; ACCN1; BNaC1; ASIC2a; hBNaC1; acid-sensing ion channel 2; brain sodium channel 1; mammalian degenerin homolog; neuronal amiloride-sensitive cation channel 1; amiloride-sensitive cation channel 1, neuronal
Gene ID	40
mRNA Refseq	NM_001094
Protein Refseq	NP_001085
MIM	601784
UniProt ID	Q16515
Chromosome Location	17q12
Pathway	Inflammatory mediator regulation of TRP channels, organism-specific biosystem; Ion channel transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem
Function	ion gated channel activity; ligand-gated sodium channel activity; protein binding;

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voltage-gated sodium channel activity

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