

Recombinant Human ACCN2 293 Cell Lysate

Cat. No. ASIC1-9101HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for amiloride-sensitive cation channel 2, neuronal (ACCN2), transcript variant 1 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

GENE INFORMATION
Gene Name

ASIC1?acid-sensing (proton-gated) ion channel 1 [?Homo sapiens?(human)]

Official Symbol

ASIC1

Synonyms

ASIC1; ASIC; ACCN2; BNaC2; acid-sensing (proton-gated) ion channel 1; acid-sensing ion channel 1; brain sodium channel 2; acid-sensing ion channel 1a protein; amiloride-sensitive cation channel 2, neuronal; Cation channel, amiloride-sensitive, neuronal, 2

Gene ID

41

mRNA Refseq

NM_020039

Protein Refseq

NP_064423

MIM

602866

UniProt ID

P78348

Chromosome Location

12q12

Pathway

Inflammatory mediator regulation of TRP channels, organism-specific biosystem; Ion channel transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem

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Function

acid-sensing ion channel activity; ion gated channel activity; ligand-gated sodium channel activity; protein binding

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