

Recombinant Human ACCN4 293 Cell Lysate

Cat. No. ASIC4-9099HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for amiloride-sensitive cation channel 4, pituitary (ACCN4), 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.

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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	ASIC4?acid-sensing (proton-gated) ion channel family member 4 [?Homo sapiens?(human)]
Official Symbol	ASIC4
Synonyms	ASIC4; acid-sensing (proton-gated) ion channel family member 4; ACCN4; BNAC4; acid-sensing ion channel 4; brain sodium channel 4; amiloride-sensitive cation channel 4, pituitary; amiloride-sensitive cation channel family member 4, pituitary
Gene ID	55515
mRNA Refseq	NM_182847
Protein Refseq	NP_878267
MIM	606715
UniProt ID	Q96FT7
Chromosome Location	2q35
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

ion channel activity; sodium channel activity; sodium ion transmembrane transporter activity

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