

Recombinant Human ASIC1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ASIC1-4187H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ACCN2 MS Standard C13 and N15-labeled recombinant protein (NP_001086) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the acid-sensing ion channel (ASIC) family of proteins, which are part of the degenerin/epithelial sodium channel (DEG/ENaC) superfamily. Members of the ASIC family are sensitive to amiloride and function in neurotransmission. The encoded proteins function in learning, pain transduction, touch sensation, and development of memory and fear. Alternatively spliced transcript variants have been described.
Molecular Mass	59.9 kDa
AA Sequence	MELKAEEEVGGVQPVSIQAFASSSTLHGLAHIFS YERLSLKRALWALCFLGSLAVLL CVCTERVQYYFHYHHVTKLDEVAASQLTFPAVTL CNLNEFRFSQVSKNDLYHAGELL ALLNNRYEIPDTQMADEKQLEILQDKANFRSFKPKPFNMREFYDRAGHDIRDMLLSC HFRGEVCSAEDFKVVFTRYGKCYTFNSGRDGRPRLKTMKGGTGNGLEIMLDIQQDE YLPVWGETDETSFEAGIKVQIHSQDEPPFIDQLGFGVAPGFQTFVACQEQR LIYLPP PWGTCKAVTMDSDLDFDSSYSITACRIDCETRYLVENCNCRMVHMPGDAPYCTPE QYKECADPALDFLVEKDQEYCVCEMPCNLTRYGKELSMVKIPSKASAKYLAKKFNK

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SEQYIGENILVLDIFFEVLNYETIEQKKAYEIAGLLDIGGQMGLFIGASILTVLELFDYA
YEVIKHKLCRRGKCQKEAKRSSADKGVALSLDDVKRHNPCESLRGHPAGMTYAANI
LPHHPARGTFEDFTCTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ASIC1 acid sensing ion channel subunit 1 [Homo sapiens (human)]

Official Symbol ASIC1

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

Gene ID 41

mRNA Refseq NM_001095

Protein Refseq NP_001086

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MIM	602866
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UniProt ID	P78348
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