Recombinant Human ACCN2

Cat. No. ACCN2-26289TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ACCN2 with N terminal proprietary tag; Predicted MWt 84.15 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	528 amino acids
Description	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 is expressed in most if not all brain neurons, and it may be an ion channel subunit; however, its function as an ion channel remains unknown. Alternative splicing of this gene generates 2 transcript products.
Molecular Weight	84.150kDa inclusive of tags
Tissue specificity	Expressed in most or all neurons.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MELKAEEEEVGGVQPVSIQAFASSSTLHGLAHIFSYERLS LKRALWALCFLGSLAVL LCVCTERVQYYFHYHHVTKLDEV AASQLTFPAVTLCNLNEFRFSQVSKNDLYHAGE LLALLNN RYEIPDTQMADEKQLEILQDKANFRSFKPKPFNMREFYDR AGHDIRDML LSCHFRGEVCSAEDFKVVFTRYGKCYTFNSG RDGRPRLKTMKGGTGNGLEIMLDI QQDEYLPVWGETDETS FEAGIKVQIHSQDEPPFIDQLGFGVAPGFQTFVACQEQRL IYLPPPWGTCKAVTMDSDLDFFDSYSITACRIDCETRYLV ENCNCRMVHMPGDAPY CTPEQYKECADPALDFLVEKDQEY CVCEMPCNLTRYGKELSMVKIPSKASAKYLAK KFNKSEQY IGENILVLDIFFEVLNYETIEQKKAYEIAGLLGDIGGQMG LFIGASILTVLE LFDYAYEVIKHKLCRRGKCQKEAKRSSA DKGVALSLDDVKRHNPCESLRGHPAGM TYAANILPHHPAR GTFEDFTC
Sequence Similarities	Belongs to the amiloride-sensitive sodium channel (TC 1.A.6) family. ACCN2 subfamily.

GENE INFORMATION

Gene Name	ACCN2 amiloride-sensitive cation channel 2, neuronal [Homo sapiens]
Official Symbol	ACCN2
Synonyms	ACCN2; amiloride-sensitive cation channel 2, neuronal; ASIC1; BNaC2; hBNaC2;
Gene ID	41
mRNA Refseq	NM_001095

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Protein Refseq	NP_001086
MIM	602866
Uniprot ID	P78348
Chromosome Location	12q12
Function	ion channel activity; ligand-gated sodium channel activity; protein binding;

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