

## Recombinant Human ACCN2

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

### SPECIFICATION

|                           |   |
|---------------------------|---|
| <b>Product Overview</b>   | Recombinant full length Human ACCN2 with N terminal proprietary tag; Predicted MWt 84.15 kDa.   |
| <b>Species</b>            | Human   |
| <b>Source</b>             | Wheat Germ  |
| <b>ProteinLength</b>      | 528 amino acids   |
| <b>Description</b>        | 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. |
| <b>Molecular Weight</b>   | 84.150kDa inclusive of tags   |
| <b>Tissue specificity</b> | Expressed in most or all neurons.   |
| <b>Form</b>               | Liquid  |
| <b>Purity</b>             | Proprietary Purification  |

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

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | <a href="#">ACCN2 amiloride-sensitive cation channel 2, neuronal [ Homo sapiens ]</a> |
| <b>Official Symbol</b> | <a href="#">ACCN2</a>   |
| <b>Synonyms</b>        | ACCN2; amiloride-sensitive cation channel 2, neuronal; ASIC1; BNaC2; hBNaC2;          |
| <b>Gene ID</b>         | <a href="#">41</a>  |
| <b>mRNA Refseq</b>     | <a href="#">NM_001095</a>   |

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

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