

Recombinant Human ASIC4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ASIC4-4179H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ACCN4 MS Standard C13 and N15-labeled recombinant protein (NP_061144) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene belongs to the superfamily of acid-sensing ion channels, which are proton-gated, amiloride-sensitive sodium channels. These channels have been implicated in synaptic transmission, pain perception as well as mechanoperception. This gene is predominantly expressed in the pituitary gland, and was considered a candidate for paroxysmal dystonic choreoathetosis (PDC), a movement disorder, however, no correlation was found between mutations in this gene and PDC.
Molecular Mass	72 kDa
AA Sequence	MLSGAAGAARRGGAALAPSLTRSLAGTHAGADSCAGADKGSHKETIEERDKRQQR QQRQRQHQCAGAAGSGSDSPTSGPHVPVLFPLALSLEEQLPPLPLGRAPGLLA REGQGREALASPSSRGQMPIEIVCKIKFAEEDAKPKEKEAGDEQSLLGAVAPGAAPR DLATFASTSTLHGLGRACGPGPHGLRRTLWALALLTSLAAFLYQAAGLARGYLTRPH LVAMDPAAPAPVAGFPAVTLNINRFRHSALSDADIFHLANLTGLPPKDRDGHRAAG LRYPEPDMVDILNRTGHQLADMLKSCNFSGHHCSASNFSVVYTRYGKCYTFNADPR SSLPSRAGGMGSGLEIMLDIQQEEYLPWRETNETSFEAGIRVQIHSQEEPPYIHQLG

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FGVSPGFQTFVSCQEQRITYLPQPWGNCRASELREPELQGYSAVSACRLRCE
KEAVLQRCHCRMVHMPDSLGGGPEGPCFCPTPCNLTRYGKEISMVRIPNRGSARY
LARKYNRNETYIRENFLVLDVFFEALTSEAMEQRAAYGLSALLGDLGGQMGLFIGASI
LTLLEILDYIYEVSWDRCLKRVWRRPKTPLRTSTGGISTLGLQELKEQSPCPSLGRAEG
GGVSSLLPNHHHPHGPPGGLFEDFACTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 ASIC4 acid sensing ion channel subunit family member 4 [Homo sapiens (human)]

Official Symbol ASIC4

Synonyms ASIC4; acid sensing ion channel subunit family member 4; ACCN4; BNAC4; acid-sensing ion channel 4; acid sensing ion channel family member 4; acid-sensing (proton-gated) ion channel family member 4; amiloride-sensitive cation channel 4, pituitary; amiloride-sensitive cation channel family member 4, pituitary; brain sodium channel 4

Gene ID 55515

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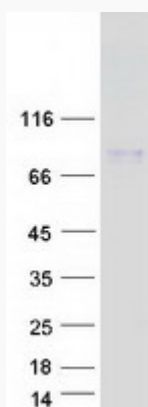
mRNA Refseq [NM_018674](#)

Protein Refseq [NP_061144](#)

MIM [606715](#)

UniProt ID [Q96FT7](#)

SDS-PAGE



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