

Recombinant Human ASIC5, His-tagged

Cat. No. ASIC5-9283H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ASIC5 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	85-430a.a.
Description	This gene belongs to the amiloride-sensitive Na ⁺ channel and degenerin (NaC/DEG) family, members of which have been identified in many animal species ranging from the nematode to human. The amiloride-sensitive Na(+) channel encoded by this gene is primarily expressed in the small intestine, however, its exact function is not known.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	ASIC5 acid-sensing (proton-gated) ion channel family member 5 [Homo sapiens (human)]
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Official Symbol	ASIC5
Synonyms	ASIC5; acid-sensing (proton-gated) ion channel family member 5; ACCN5; HINAC; INAC; acid-sensing ion channel 5; amiloride-sensitive cation channel 5, intestinal; amiloride-sensitive sodium channel; human intestine Na(+) channel; HGNC:17537; Ensembl:ENSG00000256394; HPRD:16470; Vega:OTTHUMG00000161941
Gene ID	51802
mRNA Refseq	NM_017419.2
Protein Refseq	NP_059115.1
UniProt ID	Q9NY37
Chromosome Location	4q32.1
Pathway	Ion channel transport, organism-specific biosystem; Stimuli-sensing channels, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem
Function	hydrogen ion channel activity; ligand-gated sodium channel activity