Recombinant Human ASIC4, GST-tagged

Cat. No. ASIC4-9282H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ASIC4 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-350a.a.
Antigen 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 predom
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.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM

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	GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	ASIC4 acid-sensing (proton-gated) ion channel family member 4 [Homo sapiens (human)]
Official Symbol	ASIC4
Synonyms	ASIC4; acid-sensing (proton-gated) ion channel family member 4; ACCN4; BNAC4; acid-sensing ion channel 4; amiloride-sensitive cation channel 4, pituitary; amiloride-sensitive cation channel family member 4, pituitary; brain sodium channel 4; HGNC:21263; Ensembl:ENSG00000072182; HPRD:16231; MIM:606715; Vega:OTTHUMG00000058928
Gene ID	55515
mRNA Refseq	NM_182847.2
Protein Refseq	NP_878267.2
MIM	606715
UniProt ID	Q96FT7
Chromosome Location	2q35
Pathway	Ion channel transport, organism-specific biosystem; Stimuli-sensing channels, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem

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Function	ion channel activity; sodium channel activity; sodium ion transmembrane transporter activity

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