Recombinant Human ADCY9, His-tagged

Cat. No. ADCY9-9411H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADCY9 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	490-787a.a.
Description	Adenylate cyclase is a membrane bound enzyme that catalyses the formation of cyclic AMP from ATP. It is regulated by a family of G protein-coupled receptors, protein kinases, and calcium. The type 9 adenylyl cyclase is a widely distributed adenylyl cyclase, and it is stimulated by beta-adrenergic receptor activation but is insensitive to forskolin, calcium, and somatostatin.
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 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	ADCY9 adenylate cyclase 9 [Homo sapiens]

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Official Symbol	ADCY9
Synonyms	ADCY9; adenylate cyclase 9; adenylate cyclase type 9; AC9; adenylyl cyclase 9; ATP pyrophosphate-lyase 9; adenylate cyclase type IX; type IX ATP pyrophosphate-lyase; FLJ12046;
Gene ID	115
mRNA Refseq	NM_001116
Protein Refseq	NP_001107
MIM	603302
UniProt ID	O60503
Chromosome Location	16p13.3
Pathway	Activation of GABAB receptors, organism-specific biosystem; Adenylate cyclase activating pathway, organism-specific biosystem; Adenylate cyclase inhibitory pathway, organism-specific biosystem; Aquaporin-mediated transport, organism-specific biosystem; Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Ca-dependent events, organism-specific biosystem;
Function	ATP binding; GTPase activity; adenylate cyclase activity; metal ion binding; nucleotide binding;

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