Recombinant Human ADCY3, His-tagged

Cat. No. ADCY3-3173H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Adenylate cyclase type 3 (ADCY3), partial
Species	Human
Source	E.Coli/Yeast
ProteinLength	1144
Description	This gene encodes adenylyl cyclase 3 which is a membrane-associated enzyme and catalyzes the formation of the secondary messenger cyclic adenosine monophosphate (cAMP). This protein appears to be widely expressed in various human tissues and may be involved in a number of physiological and pathophysiological metabolic processes.
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of ADCY3 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice.
Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.

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Storage Buffer	PBS pH 7.4, 50% glycerol
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name	ADCY3 adenylate cyclase 3 [Homo sapiens]
Official Symbol	ADCY3
Synonyms	ADCY3; adenylate cyclase 3; adenylate cyclase type 3; AC3; AC-III; adenylyl cyclase 3; ATP pyrophosphate-lyase 3; adenylate cyclase type III; adenylyl cyclase, type III; adenylate cyclase, olfactive type; KIAA0511;
Gene ID	109
mRNA Refseq	NM_004036
Protein Refseq	NP_004027
MIM	600291
UniProt ID	O60266
Chromosome Location	2p24-p22
Pathway	Activation of GABAB receptors, organism-specific biosystem; Activation of NMDA receptor upon glutamate binding and postsynaptic events, organism-specific biosystem; Adenylate cyclase activating pathway, organism-specific biosystem;

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	Adenylate cyclase inhib
Function	ATP binding; GTPase activity; adenylate cyclase activity; calcium- and calmodulin-responsive adenylate cyclase activity; calmodulin binding; metal ion binding; nucleotide binding;

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