

Recombinant Human ADCY3 protein, His & T7-tagged

Cat. No. ADCY3-6925H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADCY3 aa. (Lys501~Asn736 (Accession # O60266)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Lys501~Asn736
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. Two transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.0kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.3.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

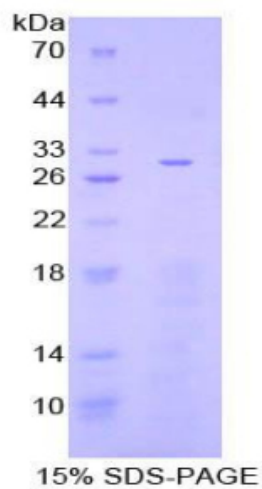
Gene Name	ADCY3 adenylate cyclase 3 [Homo sapiens (human)]
Official Symbol	ADCY3
Synonyms	ADCY3; adenylate cyclase 3; AC3; AC-III; adenylate cyclase type 3; ATP pyrophosphate-lyase 3; adenylate cyclase type III; adenylate cyclase, olfactory type; adenylyl cyclase 3; adenylyl cyclase, type III
Gene ID	109
mRNA Refseq	NM_001320613.1
Protein Refseq	NP_001307542.1
UniProt ID	O60266

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SDS-PAGE



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