

Recombinant Human ADCY1 protein, His & T7-tagged

Cat. No. ADCY1-6841H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADCY1 aa. (Arg835~Asn1061 (Accession # Q08828)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Arg835~Asn1061
Description	This gene encodes a member of the of adenylate cyclase gene family that is primarily expressed in the brain. This protein is regulated by calcium/calmodulin concentration and may be involved in brain development. Alternate splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.4kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.6.
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein 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% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

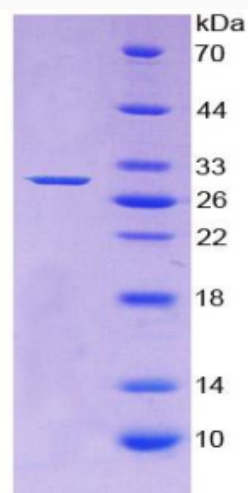
Gene Name	ADCY1 adenylate cyclase 1 [Homo sapiens (human)]
Official Symbol	ADCY1
Synonyms	AC1; DFNB44; 3',5'-cyclic AMP synthetase; ATP pyrophosphate-lyase 1; Ca(2+)/calmodulin-activated adenylyl cyclase; adenylyl cyclase; adenylate cyclase 1 (brain); adenylate cyclase type I; adenylyl cyclase 1; adenylate cyclase type 1
Gene ID	107
mRNA Refseq	NM_001281768.1
Protein Refseq	NP_001268697.1
UniProt ID	Q08828

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SDS-PAGE



15% SDS-PAGE

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