

Recombinant Human ADCY8 protein, His & GST-tagged

Cat. No. ADCY8-6934H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADCY8 aa. (Lys234~Glu371 (Accession # P40145)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Lys234~Glu371
Description	Adenylate cyclase is a membrane bound enzyme that catalyses the formation of cyclic AMP from ATP. The enzymatic activity is under the control of several hormones, and different polypeptides participate in the transduction of the signal from the receptor to the catalytic moiety. Stimulatory or inhibitory receptors (Rs and Ri) interact with G proteins (Gs and Gi) that exhibit GTPase activity and they modulate the activity of the catalytic subunit of the adenylyl cyclase.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 45.3kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 8.0.

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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% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	ADCY8 adenylate cyclase 8 [Homo sapiens (human)]
Official Symbol	ADCY8
Synonyms	ADCY8; adenylate cyclase 8; AC8; ADCY3; HBAC1; adenylate cyclase type 8; ATP pyrophosphate-lyase 8; HEL-S-172mP; adenylate cyclase 8 (brain); adenylate cyclase type VIII; adenylyl cyclase 8; adenylyl cyclase-8, brain; ca(2+)/calmodulin-activated adenylyl cyclase; epididymis secretory sperm binding protein Li 172mP
Gene ID	114
mRNA Refseq	NM_001115.2
Protein Refseq	NP_001106.1

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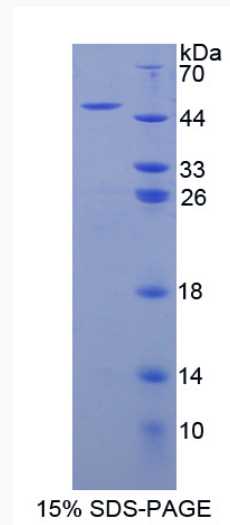
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UniProt ID

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SDS-PAGE

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