

Recombinant Human ADCY7 protein, His & T7-tagged

Cat. No. ADCY7-6932H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADCY7 aa. (Phe806~Gly1052 (Accession # P51828)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Phe806~Gly1052
Description	This gene encodes a membrane-bound adenylate cyclase that catalyses the formation of cyclic AMP from ATP and is inhibitable by calcium. The product of this gene is a member of the adenylyl cyclase class-4/guanylyl cyclase enzyme family that is characterized by the presence of twelve membrane-spanning domains in its sequences. Several transcript variants have been observed for this gene, but the full-length natures of only two have been determined so far.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.9kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.2.

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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

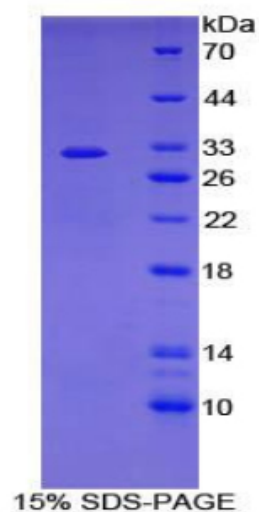
Gene Name	ADCY7 adenylate cyclase 7 [Homo sapiens (human)]
Official Symbol	ADCY7
Synonyms	ADCY7; adenylate cyclase 7; AC7; adenylate cyclase type 7; ATP pyrophosphatase 7; adenylate cyclase type VII; adenylyl cyclase 7
Gene ID	113
mRNA Refseq	NM_001114.4
Protein Refseq	NP_001105.1
UniProt ID	P51828

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SDS-PAGE



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