

## Recombinant Human ADCY7, His-tagged

Cat. No. ADCY7-3180H    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Adenylate cyclase type 7 (ADCY7), partial
<b>Species</b>	Human
<b>Source</b>	E.Coli/Yeast
<b>ProteinLength</b>	1080
<b>Description</b>	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.
<b>Form</b>	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
<b>Purity</b>	>90%
<b>Notes</b>	Small volumes of ADCY7 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.
<b>Storage</b>	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.

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<b>Storage Buffer</b>	PBS pH 7.4, 50% glycerol
<b>Warning</b>	This product is for research use only. Not for use in diagnostic or therapeutic procedures.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">ADCY7 adenylate cyclase 7 [ Homo sapiens ]</a>
<b>Official Symbol</b>	ADCY7
<b>Synonyms</b>	ADCY7; adenylate cyclase 7; adenylate cyclase type 7; AC7; KIAA0037; adenylyl cyclase 7; ATP pyrophosphate-lyase 7; adenylate cyclase type VII; FLJ36387;
<b>Gene ID</b>	<a href="#">113</a>
<b>mRNA Refseq</b>	<a href="#">NM_001114</a>
<b>Protein Refseq</b>	<a href="#">NP_001105</a>
<b>MIM</b>	<a href="#">600385</a>
<b>UniProt ID</b>	<a href="#">P51828</a>
<b>Chromosome Location</b>	16q12.1
<b>Pathway</b>	Activation of GABAB receptors, organism-specific biosystem; Adenylate cyclase activating pathway, organism-specific biosystem; Adenylate cyclase inhibitory pathway, organism-specific biosystem; Aquaporin-mediated transport, organism-specific biosystem; Bi

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**Function**

ATP binding; GTPase activity; adenylate cyclase activity; adenylate cyclase activity;  
metal ion binding; nucleotide binding;

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