Recombinant Human ADCY8, His-tagged

Cat. No. ADCY8-3182H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Adenylate cyclase type 8 (ADCY8), partial
Species	Human
Source	E.Coli/Yeast
ProteinLength	1251
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	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of ADCY8 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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name	ADCY8 adenylate cyclase 8 (brain) [Homo sapiens]
Official Symbol	ADCY8
Synonyms	ADCY8; adenylate cyclase 8 (brain); ADCY3; adenylate cyclase type 8; AC8; HBAC1; adenylyl cyclase 8; ATP pyrophosphate-lyase 8; adenylyl cyclase-8, brain; adenylate cyclase type VIII; ca(2+)/calmodulin-activated adenylyl cyclase;
Gene ID	114
mRNA Refseq	NM_001115
Protein Refseq	NP_001106
MIM	103070
UniProt ID	P40145
Chromosome Location	8q24
Pathway	Activation of GABAB receptors, organism-specific biosystem; Activation of NMDA receptor upon glutamate binding and postsynaptic events, organism-specific

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	biosystem; Adenylate cyclase activating pathway, organism-specific biosystem; Adenylate cyclase inhib
Function	ATP binding; GTPase activity; adenylate cyclase activity; calcium- and calmodulin-responsive adenylate cyclase activity; metal ion binding; nucleotide binding;

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