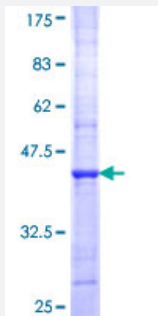


ADCY8 (Human) Recombinant Protein (Q01)

Catalog # H00000114-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ADCY8 partial ORF (NP_001106, 1142 a.a. - 1251 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DQGFAFDYRGEIYVKGISEQEGKIKTYFLLGRVQPNPFILPPRRLPGQYSLAAVVLGLVQSLNRQRQ KQLLNENNNTGIIKGHYNRRRTLLSPSGTEPGAQAEGTDKSDLP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (95); Rat (95)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ADCY8

Entrez GeneID [114](#)

GeneBank Accession# [NM_001115](#)

Protein Accession# [NP_001106](#)

Gene Name ADCY8

Gene Alias AC8, ADCY3, HBAC1

Gene Description adenylate cyclase 8 (brain)

Omim ID [103070](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 [provided by RefSeq]

Other Designations adenylate cyclase 8|adenylyl cyclase-8, brain

Pathway

- [Calcium signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Gap junction](#)

- [GnRH signaling pathway](#)
- [Long-term potentiation](#)
- [Melanogenesis](#)
- [Purine metabolism](#)
- [Taste transduction](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Bipolar Disorder](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Narcolepsy](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)