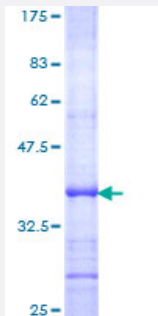


ADCY7 (Human) Recombinant Protein (Q01)

Catalog # H00000113-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human ADCY7 partial ORF (NP_001105, 197 a.a. - 277 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	HKHQMQDASRDIFTYTVKCIQIRRLRIEKRQQENLLSVLPAHISMGMKLAIERLKEHGDRRCMP DNNFHSLYVKRHQN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	34.65
Interspecies Antigen Sequence	Mouse (93); Rat (91)
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 — ADCY7

Entrez GeneID [113](#)

GeneBank Accession# [NM_001114](#)

Protein Accession# [NP_001105](#)

Gene Name ADCY7

Gene Alias AC7, FLJ36387, KIAA0037

Gene Description adenylate cyclase 7

Omim ID [600385](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 adenyl cyclase class-4/guanylyl cyclase enzyme family that is characterized by the presence of twelve membrane-spanning domains in its sequences. [provided by RefSeq]

Other Designations ATP pyrophosphate-lyase[OTTHUMP00000164225]adenyl cyclase

Pathway

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

- [Melanogenesis](#)
- [Purine metabolism](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Asthma](#)
- [Disease Models](#)
- [Genetic Predisposition to Disease](#)