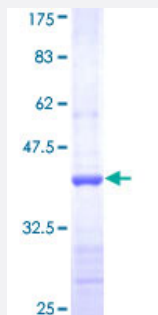


ADCY5 (Human) Recombinant Protein (Q01)

Catalog # H00000111-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human ADCY5 partial ORF (NP_899200, 1152 a.a. - 1261 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	ADFAMKLMDQMKYINEHSFNNFQMKIGLNIGPVVAGVIGARKPQYDIWGNTVNVASRMDSTGVDPD RIQVTTDMYQVLAANTYQLECRGVVKVKGKGEMMTYFLNGGPPLS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (100)
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 — ADCY5

Entrez GeneID	111
GeneBank Accession#	NM_183357
Protein Accession#	NP_899200
Gene Name	ADCY5
Gene Alias	AC5
Gene Description	adenylate cyclase 5
Omim ID	600293
Gene Ontology	Hyperlink
Gene Summary	ADCY5 belongs to the adenylate cyclase (EC 4.6.1.1) family of enzymes responsible for the synthesis of cAMP (Ludwig and Seuwen, 2002 [PubMed 12503609]).[supplied by OMIM]
Other Designations	adenylate cyclase, type V

Pathway

- [Chemokine signaling pathway](#)
- [Gap junction](#)
- [GnRH signaling pathway](#)
- [Melanogenesis](#)
- [Purine metabolism](#)

- [Vascular smooth muscle contraction](#)

Disease

- [Birth Weight](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)