

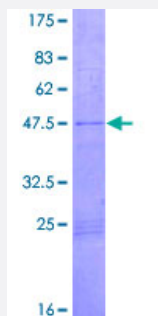
Full-Length

ADCYAP1 (Human) Recombinant Protein (P01)

Catalog # H00000116-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ADCYAP1 full-length ORF (AAH93837.1, 1 a.a. - 176 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MTMCSGARLALLVYGIIIMHSSVYSSPAAAGLRFPGIRPEEEAYGEDGNPLPDFDGSEPPGAGSPA SAPRAAAAWYRPAGRRDVAHGILNEAYRKVLDQLSAGKHLQSLVARGVGGSLGGGAGDDAEPL SKRHSDGIFTDSYSRYRKQMAVKKYLA AVL GKRYKQRVKNKGRR IAYL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	45.2
Interspecies Antigen Sequence	Mouse (82); Rat (82)
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 — ADCYAP1

Entrez GeneID [116](#)

GeneBank Accession# [BC093837.1](#)

Protein Accession# [AAH93837.1](#)

Gene Name ADCYAP1

Gene Alias MGC126852, PACAP

Gene Description adenyate cyclase activating polypeptide 1 (pituitary)

Omim ID [102980](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes adenyate cyclase activating polypeptide 1. Mediated by adenyate cyclase activating polypeptide 1 receptors, this polypeptide stimulates adenyate cyclase and subsequently increases the cAMP level in target cells. Adenyate cyclase activating polypeptide 1 is not only a hypothysiotropic hormone, but also functions as a neurotransmitter and neuromodulator. In addition, it plays a role in paracrine and autocrine regulation of certain types of cells. This gene encodes three different mature peptides, including two isotypes, a shorter form and a longer form. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000162201|adenyate cyclase activating polypeptide

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcoholism](#)
- [Anorexia Nervosa](#)
- [Asthma](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Chronobiology Disorders](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Interview](#)
- [Mental Disorders](#)
- [Multiple Sclerosis](#)
- [Schizophrenia](#)
- [Sudden Infant Death](#)