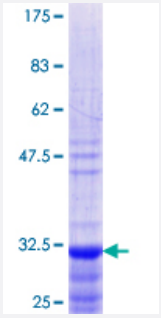
ADCYAP1 (Human) Recombinant Protein (Q01)

Catalog # H00000116-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ADCYAP1 partial ORF (NP_001108.1, 95 a.a. - 172 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	VLDQLSAGKHLQSLVARGVGGSLGGGAGDDAEPLSKRHSDGIFTDSYSRYRKQMAVKKYLAAVL GKRYKQRVKNKGRR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	34.32
Interspecies Antigen Sequence	Mouse (86); Rat (83)
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#	NM_001117
Protein Accession#	NP_001108.1
Gene Name	ADCYAP1
Gene Alias	MGC126852, PACAP
Gene Description	adenylate cyclase activating polypeptide 1 (pituitary)
Omim ID	102980
Gene Ontology	Hyperlink
Gene Summary	This gene encodes adenylate cyclase activating polypeptide 1. Mediated by adenylate cyclase activating polypeptide 1 receptors, this polypeptide stimulates adenylate cyclase and subsequently increases the cAMP level in target cells. Adenylate cyclase activating polypeptide 1 is not only a hypophysiotropic 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|adenylate 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