

Recombinant Human ADCYAP1 protein, His & GST-tagged

Cat. No. ADCYAP1-6840H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADCYAP1 aa. (Ile17~Leu176 (Accession # P18509)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ile17~Leu176
Description	This gene encodes a secreted proprotein that is further processed into multiple mature peptides. These peptides stimulate adenylate cyclase and increase cyclic adenosine monophosphate (cAMP) levels, resulting in the transcriptional activation of target genes. The products of this gene are key mediators of neuroendocrine stress responses. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 47.2kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 9.9.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	ADCYAP1 adenylyate cyclase activating polypeptide 1 [Homo sapiens (human)]
Official Symbol	ADCYAP1
Synonyms	PACAP; adenylyate cyclase activating polypeptide 1 (pituitary); prepro-PACAP; pituitary adenylyate cyclase-activating polypeptide
Gene ID	116
mRNA Refseq	NM_001099733.1
Protein Refseq	NP_001093203.1

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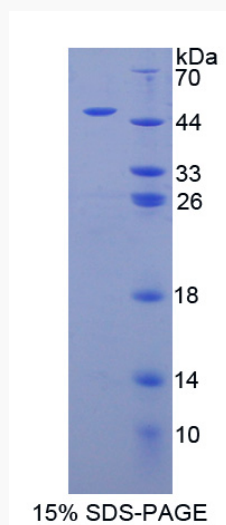
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UniProt ID

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SDS-PAGE

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