

Recombinant Human ADCYAP1 293 Cell Lysate

Cat. No. ADCYAP1-9019HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for adenylate cyclase activating polypeptide 1 (pituitary) (ADCYAP1), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid (True ORF cDNA clone RC210851, OriGene Technologies, Inc.) and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	E, IP, WB. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the

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mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	ADCYAP1 adenylate cyclase activating polypeptide 1 (pituitary) [Homo sapiens]
Official Symbol	ADCYAP1
Synonyms	ADCYAP1; adenylate cyclase activating polypeptide 1 (pituitary); pituitary adenylate cyclase-activating polypeptide; PACAP; MGC126852;
Gene ID	116
mRNA Refseq	NM_001099733
Protein Refseq	NP_001093203
MIM	102980
UniProt ID	P18509
Chromosome Location	18p11
Pathway	Activation of TRKA receptors, organism-specific biosystem; Class B/2 (Secretin family receptors), organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Glucagon-type ligand receptors, organism-specific biosystem; NGF signalling via TRKA from the plasma membrane, organism-specific biosystem;

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Function

neuropeptide hormone activity; peptide hormone receptor binding; peptide hormone receptor binding; receptor binding; receptor signaling protein activity;

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