

Recombinant Human ADCYAP1R1 cell lysate

Cat. No. ADCYAP1R1-1642HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADCYAP1R1 derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
Species	Human
Source	Human Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	ADCYAP1R1 adenylate cyclase activating polypeptide 1 (pituitary) receptor type I [Homo sapiens]
Official Symbol	ADCYAP1R1
Synonyms	ADCYAP1R1; adenylate cyclase activating polypeptide 1 (pituitary) receptor type I; pituitary adenylate cyclase-activating polypeptide type I receptor; PAC1; PAC1R; PACAP receptor 1; PACAPR; PACAP-R1; PACAP type I receptor; pituitary adenylate cyclase activating polypeptide 1 receptor type I Hiphop; PACAPRI;
Gene ID	117
mRNA Refseq	NM_001118
Protein Refseq	NP_001109
MIM	102981

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UniProt ID	P41586
Chromosome Location	7
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; GPCRs, Class B Secretin-like, organism-specific biosystem; Glucagon-type ligand receptors, organism-specific biosystem;
Function	ADP-ribosylation factor binding; adenylate cyclase binding; neuropeptide binding; pituitary adenylate cyclase-activating polypeptide receptor activity; receptor activity; signal transducer activity; vasoactive intestinal polypeptide receptor activity;