

## Product Information

### MemDX™ Membrane Protein Human ADCYAP1R1 (ADCYAP receptor type I) Full Length

Cat. No.: **MPC0347K**

This product is for research use only and is not intended for diagnostic use.

This product is a 53.3 kDa Human ADCYAP1R1 membrane protein expressed in Baculovirus/Insect expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

#### Product Specifications

##### Host Species

Human

##### Target Protein

ADCYAP1R1

##### Protein Length

Full length

##### Protein Class

GPCR

##### Molecular Weight

53.3 kDa

##### TMD

7

##### Sequence

MAGVVHVS LAALLLLP MAPAMHSDC IFKKEQAMCLEKIQRANELMGFNDS  
SPGCPGMWDNITCWKPAHVGEMVLVSCPELFRIFNPDQVWETETIGESDF  
GDSNSLDLSDMGVSRNCTEDGWSEPFPHYFDACGFDEYESETGDQDYYY  
LSVKALYTVGYSTSLVTLTTAMVILCRFRKLHCTRNFHIMNLFVSFMLRA  
ISVFIKDWILYAEQDSNHCFISTVECKAVMVFFHYCVVSNYFWLFIEGLY  
LFTLLVETFFPERRYFYWYTIIGWGTPTVCVTWATLRLYFDDTGCWDMN  
DSTALWWWIKGPVVG SIMVNFVLFIGIIVILVQKLQSPDMGGNESSIYLR  
LARSTLLLIPLFGIHYTVFAFSPENVSKRERLVFELGLGSFQGFVAVLY  
CFLNGEVQAEIKRKWRSWKVNRYFAVD FKHRHPSLASSGVNGGTQLSILS  
KSSSQIRMSG LPADNLAT

#### Product Description

##### Expression Systems

Baculovirus/Insect expression system

##### Tag

10xHis tag at C-terminal

### Protein Format

Detergent or based on specific requirements

### Form

Liquid

### Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

## Target

### Target Protein

ADCYAP1R1

### Full Name

ADCYAP receptor type I

### Introduction

This gene encodes type I adenylate cyclase activating polypeptide receptor, which is a membrane-associated protein and shares significant homology with members of the glucagon/secretin receptor family. This receptor mediates diverse biological actions of adenylate cyclase activating polypeptide 1 and is positively coupled to adenylate cyclase. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified.

### Alternative Names

PAC1; PAC1R; PACAPR; PACAPRI; pituitary adenylate cyclase-activating polypeptide type I receptor; PACAP receptor 1; PACAP type I receptor; PACAP-R1; adenylate cyclase activating; polypeptide 1 (pituitary) receptor type I; pituitary adenylate cyclase activating polypeptide 1 receptor type I Hiphop; pituitary adenylate cyclase-activating polypeptide type 1 receptor; ADCYAP1R1; ADCYAP receptor type I

### Gene ID

[117](#)

### UniProt ID

[P41586](#)