



## ADCYAP1R1 peptide (DAG-P1017)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	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. [provided by RefSeq, Dec 2010]
<b>Specificity</b>	Most abundant in the brain, low expression in the lung, liver, thymus, spleen, pancreas and placenta.
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the G-protein coupled receptor 2 family.
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">ADCYAP1R1 adenylate cyclase activating polypeptide 1 (pituitary) receptor type I [Homo sapiens (human)]</a>
<b>Official Symbol</b>	ADCYAP1R1
<b>Synonyms</b>	ADCYAP1R1; adenylate cyclase activating polypeptide 1 (pituitary) receptor type I; PAC1; PAC1R; PACAPR; PACAPRI; pituitary adenylate cyclase-activating polypeptide type I receptor; PACAP-R1; PACAP receptor 1; PACAP type I receptor; pituitary adenylate cyclase activating

polypeptide 1 receptor type I Hiphop;

<b>Entrez Gene ID</b>	<a href="#">117</a>
<b>mRNA Refseq</b>	<a href="#">NM_001118.4</a>
<b>Protein Refseq</b>	<a href="#">NP_001109.2</a>
<b>UniProt ID</b>	P41586
<b>Chromosome Location</b>	7p14
<b>Pathway</b>	Activation of TRKA receptors, organism-specific biosystem; Circadian entrainment, organism-specific biosystem; Circadian entrainment, conserved 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 bi
<b>Function</b>	ADP-ribosylation factor binding; adenylate cyclase binding; neuropeptide binding; protein binding; receptor activity; vasoactive intestinal polypeptide receptor activity;