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Datasheet for ABIN1622008

**PACAP Protein (AA 82-129) (His tag)**

## Overview

Quantity:	1 mg
Target:	PACAP (ADCYAP1)
Protein Characteristics:	AA 82-129
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PACAP protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	DVAHGILNK AYRKVLDQPS ARRSPADAHG QGLGWDPGGS ADDDSEPLS
Specificity:	Bos taurus (Bovine)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

## Target Details

Target:	PACAP (ADCYAP1)
Alternative Name:	Pituitary adenylate cyclase-activating polypeptide (ADCYAP1) ( <a href="#">ADCYAP1 Products</a> )
Background:	Recommended name: Pituitary adenylate cyclase-activating polypeptide.

## Target Details

Short name= PACAP Cleaved into the following 3 chains: 1.  
PACAP-related peptide.  
Alternative name(s): PRP-48 Pituitary adenylate cyclase-activating polypeptide 27.  
Short name= PACAP-27.  
Short name= PACAP27 Pituitary adenylate cyclase-activating polypeptide 38.  
Short name= PACAP-38.  
Short name= PACAP38

UniProt: [Q29W19](#)

Pathways: [Neurotrophin Signaling Pathway](#), [Positive Regulation of Peptide Hormone Secretion](#), [Hormone Activity](#), [cAMP Metabolic Process](#), [Synaptic Membrane](#), [Production of Molecular Mediator of Immune Response](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#)

## Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

## Handling

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Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.