Datasheet for ABIN1458965

PACAP Protein (AA 83-128) (His tag)

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Overview

Quantity:	1 mg
Target:	PACAP (ADCYAP1)
Protein Characteristics:	AA 83-128
Origin:	Chicken
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PACAP protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	HADGIFSK AYRKLLGQLS ARNYLHSLMA KRVGGASSGL GDEAEPLS
Specificity:	Gallus gallus (Chicken)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	PACAP (ADCYAP1)
Alternative Name:	Glucagon family neuropeptides (ADCYAP1) (ADCYAP1 Products)
Background:	Recommended name: Glucagon family neuropeptides Cleaved into the following 3 chains: 1.

Target Details

	Growth hormone-releasing factor 1-46. Short name= 2. GRF. Alternative name(s): Growth hormone-releasing hormone. Short name= GHRH 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:	P41534
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 modificated 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

Handling

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