

Datasheet for ABIN7318228 **PRKAR1A Protein (His tag)**



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Overview

Quantity:	50 µg
Target:	PRKAR1A
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRKAR1A protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PRKAR1A Protein (His Tag)
Sequence:	Glu2-Val381
Characteristics:	Recombinant Human cAMP-dependent protein kinase regulatory type I-alpha is produced by our Mammalian expression system and the target gene encoding Glu2-Val381 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PRKAR1A
Alternative Name:	PRKAR1A (PRKAR1A Products)
Background:	Background: cAMP-dependent protein kinase type I-alpha regulatory subunit is an enzyme that in humans is encoded by the PRKAR1A gene. cAMP is a signaling molecule important for a

Target Details

variety of cellular functions. cAMP exerts its effects by activating the cAMP-dependent protein kinase A (PKA), which transduces the signal through phosphorylation of different target proteins. Four different regulatory subunits and three catalytic subunits of PKA have been identified in humans. The protein encoded by this gene is one of the regulatory subunits. This protein was found to be a tissue-specific extinguisher that down-regulates the expression of seven liver genes in hepatoma x fibroblast hybrids.

Synonym: Tissue-specific extinguisher 1, TSE1

Molecular Weight:	44.0 kDa
UniProt:	P10644
Pathways:	Hedgehog Signaling , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Myometrial Relaxation and Contraction , G-protein mediated Events , Interaction of EGFR with phospholipase C-gamma

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.