

# Human PRKAR1A / PRKAR1 / PKR1 (His Tag) recombinant protein



Catalog Number: 502580

## General Information

### Gene Name Synonym

Tissue-specific extinguisher 1; cAMP-dependent protein kinase type I-alpha regulatory subunit, N-terminally processed

### Protein Construction

A DNA sequence encoding the human PRKAR1A (P10644) (Met1-Val381) was expressed with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 85 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Met

### Molecular Mass

The recombinant human PRKAR1A consists of 391 amino acids and predicts a molecular mass of 44.3 KDa. It migrates as an approximately 47 KDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

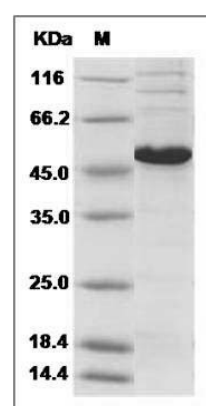
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human PRKAR1A / PRKAR1 / PKR1 Protein (His Tag) SDS-PAGE