

# Human PPP3R1 (His Tag) recombinant protein



Catalog Number: 501691

## General Information

### Gene Name Synonym

Protein phosphatase 2B regulatory subunit 1;  
Protein phosphatase 3 regulatory subunit B alpha isoform 1

### Protein Construction

A DNA sequence encoding the human PPP3R1 (P63098) (Gly2-Val170) was fused with a polyhistidine tag at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Using the Octet RED System, the affinity constant (Kd) of human PPP3R1-His bound to Human PPIA-His (Cat:501254) was 6 nM.

### Purity

> 87 % 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

His

### Molecular Mass

The recombinant human PPP3R1 consists of 187 amino acids and has a calculated molecular mass of 21.4 kDa. The recombinant protein migrates as an approximately 20 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 10% glycerol, 2mM DTT

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

## Usage Guide

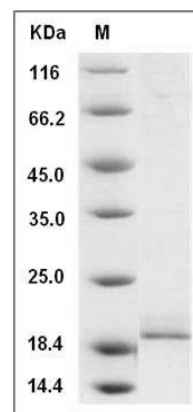
### Storage

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 PPP3R1 Protein (His Tag) SDS-PAGE