# Recombinant RPT1 protein (6\*His tag)

Catalog Number: 530077



#### **General Information**

### Gene Name Synonym

Phototropin 1; root phototropism 1

#### **Protein Construction**

180-308 aa encoded by AT3G45780.1 was inserted into pET30a vector

## **Organism**

Arabidopsis thaliana

### **Expression Host**

E. coli

## **QC** Testing

### Activity

Not tested.

#### **Purity**

85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

#### **Endotoxin**

Please contact the lab for more information.

## **Stability**

Store for up to 12 months at -20°C to -80°C as lyophilized powder.

#### **Formulation**

The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM

NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.

## **Usage Guide**

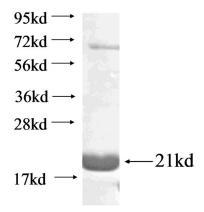
#### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

#### Reconstitution

Reconstitute at 0.25  $\mu$ g/ $\mu$ l in 200  $\mu$ l sterile water for short-term storage. Reconstitution with 200  $\mu$ l 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

#### **SDS-PAGE**



Recombinant Arabidopsis thaliana RPT1 SDS-PAGE