Catalog Number: 530011



# **General Information**

#### Gene Name Synonym

Peroxidase 2

#### **Protein Construction**

31-335 aa encoded by AT5G06720.1 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**

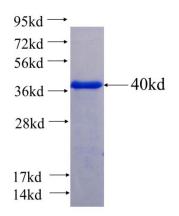
### Storage

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 PA2 SDS-PAGE