

## General Information

### Gene Name Synonym

Deubiquitinating enzyme 46; Ubiquitin thioesterase 46; Ubiquitin-specific-processing protease 46

### Protein Construction

A DNA sequence encoding the human USP46 [(Identical to the mouse USP46 (NP\_808229.1)) (Met1-Glu366)] was expressed and purified.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Purity

> 90 % 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 secreted recombinant human USP46 consists of 477 amino acids and predicts a molecular mass of 55.2 KDa. The apparent molecular mass of the protein is approximately 64 Kda in SDS-PAGE under reducing conditions due to glycosylation.

### Formulation

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

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

## Usage Guide

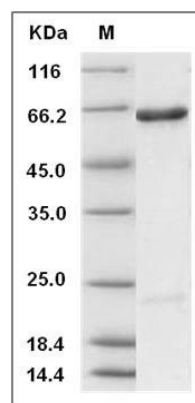
### Storage

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 / Mouse USP46 Protein (SUMO Tag) SDS-PAGE