Catalog Number: 501046



# **General Information**

#### Gene Name Synonym

Deubiquitinating enzyme 5; Isopeptidase T; Ubiquitin thioesterase 5; Ubiquitin-specificprocessing protease 5

### **Protein Construction**

A DNA sequence encoding the human USP5 isoform short (P45974-2) (Met 1-Ser 835) was fused with a polyhistidine tag at the C-terminus.

#### Organism

Human

### **Expression Host**

Baculovirus-Insect Cells

## **QC Testing**

### Purity

> 92 % as determined by SDS-PAGE

### Endotoxin

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

### Stability

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

### **Predicted N terminal**

Met 1

#### **Molecular Mass**

The recombinant human USP5 consists of 846 amino acids and predicts a molecular mass of 94.7 kDa. It migrates as an approximately 100 kDa band in SDS-PAGE under reducing conditions. **Formulation** 

Lyophilized from sterile 50mM Tris, 100mM NaCl, 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°C to -80°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**

KDa	М		
116	-	-	_
66.2	-		
45.0	-		
35.0	_		
25.0	_		
18.4	-		
14.4	-		

Human USP5 / ISOT Protein (His Tag) SDS-PAGE