

# Human Thyroid peroxidase / TPO (257 Ser/Ala, 725 Pro/Thr, His Tag) recombinant protein



Catalog Number: 501643

## General Information

### Protein Construction

A DNA sequence encoding the human TPO (P07202-1) extracellular domain (Met 1-Arg846, 257 Ser/Ala, 725 Pro/Thr) was fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Purity

> 95 % 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

Cys 15

### Molecular Mass

The secreted recombinant human TPO comprises 842 amino acids and has a predicted molecular mass of 93.8 kDa. The apparent molecular mass

of rh TPO (1-846) is approximately 90-100 kDa in SDS-PAGE under reducing conditions.

### 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

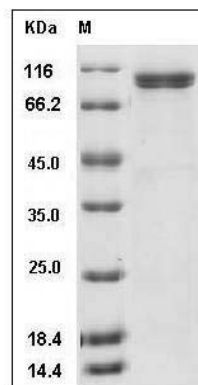
Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ .

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 Thyroid peroxidase / TPO Protein (257 Ser/Ala, 725 Pro/Thr, His Tag) SDS-PAGE