

# Human CROT (474 Leu/Val, His Tag) recombinant protein



Catalog Number: 500699

## General Information

### Protein Construction

A DNA sequence encoding the human CROT (Q9UKG9) (Met 1-Leu 612, 474 Leu/Val) was fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Purity

> 93 % 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 1

### Molecular Mass

The recombinant human CROT consists of 623 amino acids and predicts a molecular mass of 71.5 kDa. The apparent molecular mass of rhCROT is approximately 65 kDa in SDS-PAGE under

reducing conditions.

### Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 10% glycerol

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

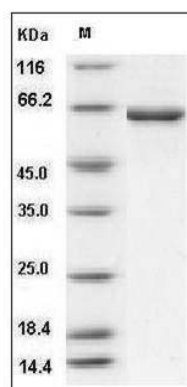
### Storage

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 CROT Protein (474 Leu/Val, His Tag) SDS-PAGE