

# Human Cripto/TDGF1/ CRGF (His Tag) recombinant protein



Catalog Number: 501492

## General Information

### Gene Name Synonym

Cripto-1 growth factor; Epidermal growth factor-like cripto protein CR1

### Protein Construction

A DNA sequence encoding the human TDGF1 (AAH22393.1) (Met 1-Thr 172) with a C-terminal polyhistidine tag was expressed.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized human TDGF1 at 2 µg/ml (100 µl/well) can bind human ALK4 with a linear range of 0.0068-0.16 µg/ml.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Leu 31

## Molecular Mass

The secreted recombinant human TDGF1 comprises 153 amino acids with a predicted molecular mass of 17.4 kDa. As a result of glycosylation, the apparent molecular mass of rhTDGF1 is approximately 25-30 kDa in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile PBS, 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

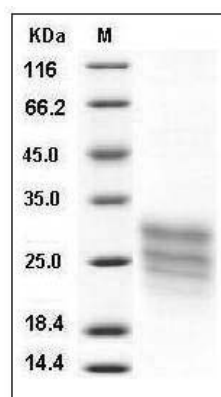
### Storage

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



Human Cripto / TDGF1 Protein (His Tag) SDS-PAGE