

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



Catalog Number: 504857

## General Information

### Protein Construction

A DNA sequence encoding the rat TDGF1 (XP\_001056317.2) (Met1-Cys143) was expressed with a polyhistidine tag at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to bind with rat ACVR1B-Fc (Cat:504742) in a functional ELISA.

### Purity

(32.6+48.9) % 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

Phe 17

### Molecular Mass

The recombinant rat TDGF1 comprises 138 amino acids and predicts a molecular mass of 15.5 kDa. The apparent molecular mass of the recombinant protein is approximately 22 and 19 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

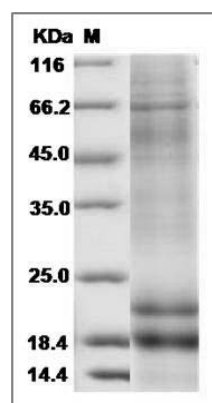
### Storage

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



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