

# Human Endoglin/CD105 (Fc Tag) recombinant protein



Catalog Number: 504243

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Gly 586) of human CD105 (NP\_001108225.1) precursor was expressed with C-terminal fused human IgG1 Fc region.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its ability to bind biotinylated Human TGFBR1 in a functional ELISA.
2. Measured by its ability to bind biotinylated Human ALK1-Fc (Cat:501915) in functional Elisa.

### 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

Glu 26

### Molecular Mass

The recombinant human CD105/Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer consists of 799 amino acids and has a predicted molecular mass of 87.5 kDa. As a result of glycosylation, rhCD105/Fc monomer migrates as an approximately 115-120 kDa protein 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

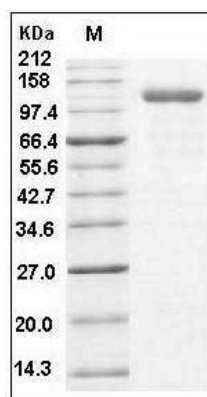
### Storage

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



Human Endoglin / CD105 / ENG Protein (Fc Tag)  
SDS-PAGE