

# Human Lefty2 (Fc Tag) recombinant protein



Catalog Number: 502490

## General Information

### Protein Construction

A DNA sequence encoding the mature form of human LeftyA (NP\_003231.2) (Phe 78-Pro 366) was fused with the Fc region of human IgG1 at the N-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to inhibit recombinant human BMP4 induced alkaline phosphatase production by MC3T3-E1 cells.

The ED<sub>50</sub> for this effect is typically 4-16 µg/mL in the presence of 50 ng/mL of recombinant human BMP4.

### Purity

> 90 % 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

Glu 20

### Molecular Mass

The recombinant human LeftyA/Fc is a disulfide-linked homodimer. The reduced monomer consists of 526 amino acids and has a predicted molecular mass of 58.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh LeftyA/Fc monomer is approximately 70 kDa due to glycosylation.

### 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

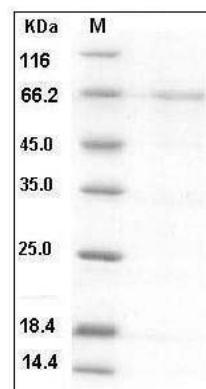
### Storage

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 Lefty2 / Lefty A Protein (Fc Tag) SDS-PAGE