

# Mouse Angiopoietin-2 / ANG2 (His Tag) recombinant protein



Catalog Number: 501251

## General Information

### Protein Construction

A DNA sequence encoding the mouse ANGPT2 (NP\_031452.2) (Lys275-Phe496) was expressed with a N-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.  
Immobilized mouse S1h-3C-mANGPT2 at 10 µg/ml (100 µl/well) can bind Cynomolgus TEK-Fc (Cat:501586), The EC<sub>50</sub> of Cynomolgus TEK-Fc (Cat:501586) is 0.7-1.64 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

His

### Molecular Mass

The recombinant mouse ANGPT2 comprises 241 amino acids and has a predicted molecular mass of 27.5 kDa. The apparent molecular mass of the protein is approximately 33.4 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

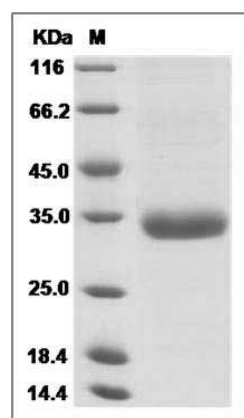
### Storage

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



Mouse Angiopoietin-2 / ANG2 / ANGPT2 Protein (His Tag) SDS-PAGE