

# Recombinant Mouse Angiopoietin-2/ANG-2/ANGPT2(275-496) Protein

Catalog No.: RP01744 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	11601	O35608

### Tags

C-6His

### Synonyms

Ang2; Agpt2; Ang-2

## Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Calculated MW	Observed MW
26.03 kDa	35 kDa

### Endotoxin

&lt;0.001EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

Angiopoietin-2 (ANG 2, or ANGPT2), is a member of the ANG family, which plays an important role in angiogenesis during the development and growth of human cancers. Both ANGPT-1 and ANGPT-2 appear to bind to the tyrosine kinase receptor, Tie-2, found primarily on the luminal surface of endothelial cells. ANG-2's role in angiogenesis generally is considered as an antagonist for ANG1, inhibiting ANG1-promoted Tie2 signaling, which is critical for blood vessel maturation and stabilization

## Basic Information

### Description

Recombinant Mouse Angiopoietin-2/ANG-2/ANGPT2(275-496) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Lys275-Phe496) of mouse Angiopoietin-2/ANG-2/ANGPT2 (Accession #NP\_031452.2) fused with a 6×His tag at the C-terminus.

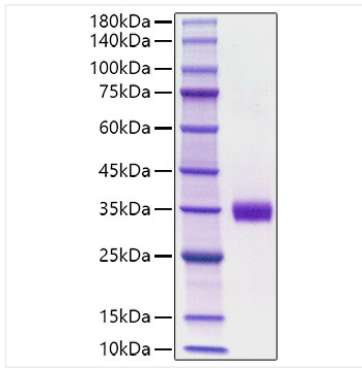
### Bio-Activity

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Mouse  
Angiopoietin-2/ANG-2/ANGPT2 Protein was  
determined by SDS-PAGE with Coomassie  
Blue, showing a band at 35 kDa