

# Recombinant Human Angiopoietin-1/ANG-1/ANGPT1(277-498) Protein

Catalog No.: RP01828 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	284	Q15389-1

### Tags

C-His

### Synonyms

AGP1; AGPT; ANG1; HAE5;  
AGPT-1□Angiopoietin-1□ANG-1□ANGPT1

## Product Information

Source	Purification
HEK293 cells	> 92% by SDS-PAGE.

Calculated MW	Observed MW
26.58 kDa	30-35 kDa

### Endotoxin

< 0.1 EU/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 freeze-thaw cycles.

## Contact

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## Background

The angiopoietin (ANGPT)-TIE2/TEK signaling pathway is essential for blood and lymphatic vascular homeostasis. ANGPT1 is a potent TIE2 activator, whereas ANGPT2 functions as a context-dependent agonist/antagonist. In disease, ANGPT2-mediated inhibition of TIE2 in blood vessels is linked to vascular leak, inflammation, and metastasis.

## Basic Information

### Description

Recombinant Human Angiopoietin-1/ANG-1/ANGPT1(277-498) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg277-Phe498) of human Angiopoietin-1/ANG-1/ANGPT1 (Accession #NP\_001137.2) fused with a 6×His tag at the

### Bio-Activity

#### Storage

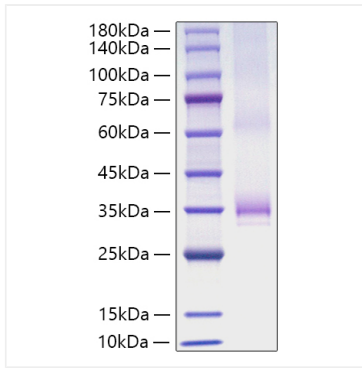
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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 Human  
Angiotensin-1/Angiotensin-1/Angiotensin-1 Receptor Type 1 (ANGPT1) Protein was  
determined by SDS-PAGE with Coomassie  
Blue, showing a band at 25-45 kDa.