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

**Catalog No.: RP01828**

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## Sequence Information

**Species**
Human

**Gene ID**
284

**Swiss Prot**
Q15389-1

**Tags**
C-His

**Synonyms**
AGP1; AGPT; ANG1; HAE5; AGPT-1; Angiopoietin-1; ANG-1; ANGPT1

## Product Information

**Source**
HEK293 cells

**Purification**
≥ 90 % as determined by SDS-PAGE.

**Calculated MW**
26.58 kDa

**Observed MW**
30-35 kDa

**Endotoxin**
< 0.1 EU/μg of the protein by LAL method.

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

**Reconstitution**
Centrifμge 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## 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

**Activity**

**Shipping**
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

**Storage**
Store at -20℃

**Operational Notes**
For your safety and health, please wear a lab coat and disposable gloves for handling.

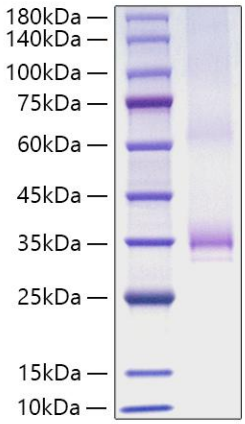
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## Validation Data




Recombinant Human Angiopoietin-1/ANG-1/ANGPT1(277-498) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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