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

## Catalog No.: RP02008 Recombinant

### Sequence Information

285

Species Human

# Swiss Prot

Gene ID

# 015123-1

Tags C-His

Synonyms AGPT2; ANG2; ANGPT2; ANG2

# **Product Information**

Source	Purification
HEK293 cells	≥ 95 % as
	determined by SDS-
	PAGE.

Calculated MW Observed MW 26.30 kDa 35 kDa

#### Endotoxin

 $< 0.1 \text{ EU/}\mu g$  of the protein by LAL method.

#### Formulation

Lyophilized from a 0.22 µm filtered solution of 20mM MOPS 150 mM NaCl 0.05% CHAPS pH 7.0.

#### Reconstitution

Centrifuge the tube 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.

### Contact

6	400-999-6126
$\bowtie$	cn.market@abclonal.com.cn
€	www.abclonal.com.cn

Background

Angiopoietin-2 (Ang-2; also ANGPT2) is a secreted glycoprotein that plays a complex role in angiogenesis and inflammation . Mature Ang-2 is 478 amino acids in length.Ang2 is widely expressed during development, but it is restricted postnatally to highly angiogenic tissues such as the placenta, ovaries, and uterus. It is particularly abundant in vascular endothelial cells (EC) where it is stored in intracellular Weibel Palade bodies.

### **Basic Information**

#### Description

Recombinant Human Angiopoietin-2/ANG-2/ANGPT2(275-496) Protein is produced by mammalian expression system. The target protein is expressed with sequence (Lys275-Phe496) of human Angiopoietin-2/ANGPT2 (Accession #015123) fused with 6xHis 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.

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180kDa — 140kDa — 100kDa — 75kDa —	
60kDa —	
45kDa —	-
35kDa —	
25kDa —	-
15kDa — 10kDa —	-

Recombinant Human

Angiopoietin-2/ANG-2/ANGPT2(275-496) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.