

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

Catalog No.: RP02008 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 285 015123-1

Tags C-His

Synonyms

AGPT2; ANG2; ANGPT2; ANG2

Product Information

Source Purification

HEK293 cells \geq 95 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

26.30 kDa 35 kDa

Endotoxin

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

Formulation

Lyophilized from a 0.22 μ m 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

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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 #O15123) fused with 6xHis at the C-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

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

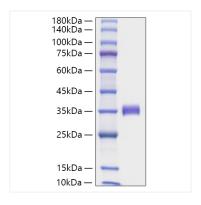
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Operational Notes

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

Validation Data



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