

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

Catalog No.: RP02274B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	285	O15123

Tags

N-His&Avi

Synonyms

AGPT2; ANG2;ANGPT2;ANG2

Product Information

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

Calculated MW	Observed MW
28.4 kDa	32-37 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or formulation.

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 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; 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

Biotinylated Recombinant Human Angiopoietin-2/ANG-2/ANGPT2(275-496) Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Lys275-Phe496) of Human Angiopoietin-2/ANG-2/ANGPT2 fused with a His and Avi tag at the N-terminus.

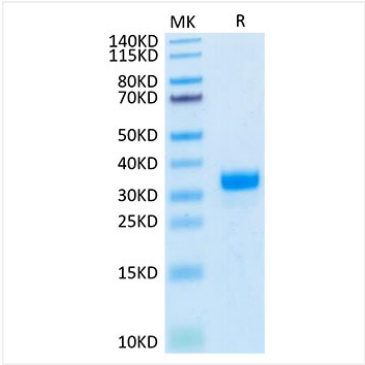
Bio-Activity

Storage

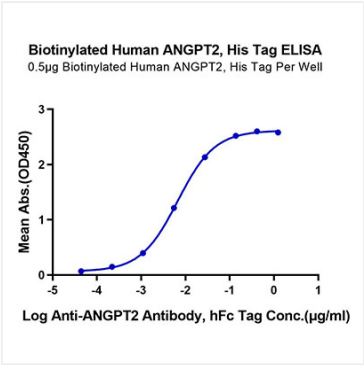
Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.



Validation Data



Biotinylated Recombinant Human Angiopoietin-2/ANG-2/ANGPT2 (275-496) Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Biotinylated Human ANGPT2, His Tag at 5µg/ml (100µl/Well) on the Streptavidin Procated plate. Dose response curve for Anti-ANGPT2 Antibody, hFc Tag with the EC₅₀ of 6.7ng/ml determined by ELISA.