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

Catalog No.: RP02274B

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Sequence Information

Species
Human

Gene ID
285

Swiss Prot
O15123

Tags
N-His&Avi

Synonyms
AGPT2, ANG2,ANGPT2,ANG2

Product Information

Source
HEK293 cells

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

Calculated MW
28.4 kDa

Observed MW
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 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

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.

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℃

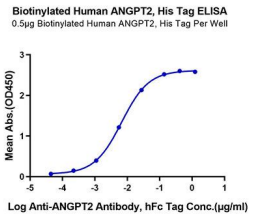
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

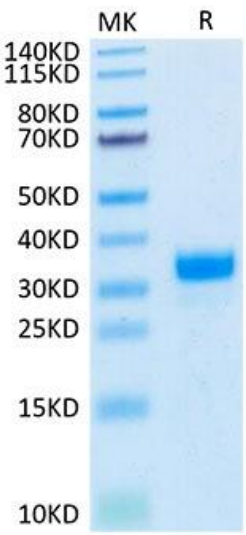
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Validation Data



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 EC_{50} of 6.7ng/ml determined by ELISA.



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