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

Catalog No.: RP02008 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	285	O15123-1

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 EU/μg 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.

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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.

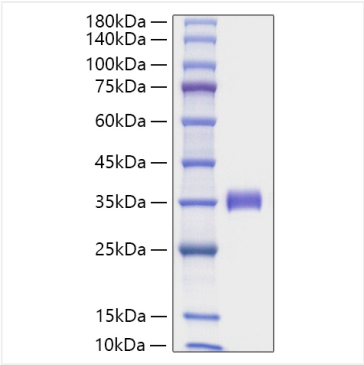
Bio-Activity

Shipping
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℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ 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.