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

Catalog No.: RP02008

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Sequence Information

Species	Gene ID
Human	285
Swiss Prot	**Tags**
O15123-1	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.

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.

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℃

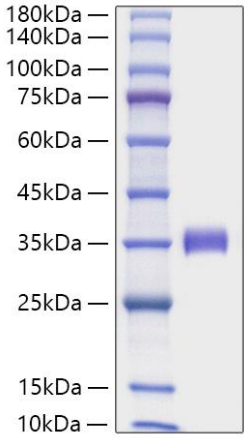
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



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