

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

Catalog No.: RP01744

Sequence Information

Species	Gene ID
Mouse	11601
Swiss Prot	Tags
O35608	C-6His

Synonyms

Ang2; Agpt2; Ang-2

Product Information

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

Calculated MW

26.03 kDa

Observed MW
35 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial 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.

Background

Angiopoietin-2 (ANG 2, or ANGPT2), is a member of the ANG family, which plays an important role in angiogenesis during the development and growth of human cancers. Both ANGPT-1 and ANGPT-2 appear to bind to the tyrosine kinase receptor, Tie-2, found primarily on the luminal surface of endothelial cells. ANG-2's role in angiogenesis generally is considered as an antagonist for ANG1, inhibiting ANG1-promoted Tie2 signaling, which is critical for blood vessel maturation and stabilization

Basic Information

Description

Recombinant Mouse Angiopoietin-2/ANG-2/ANGPT2(275-496) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Lys275-Phe496) of mouse Angiopoietin-2/ANG-2/ANGPT2 (Accession #NP_031452.2) fused with a 6×His tag 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°C

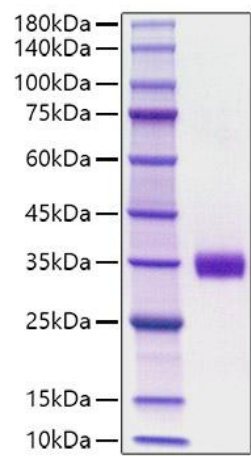
Operational Notes

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

Contact

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Validation Data



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