

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

Catalog No.: RP01744 Recombinant 1 Publications

Sequence Information

Species **Gene ID** **Swiss Prot**
 Mouse 11601 O35608

Tags
 C-6His

Synonyms

Ang2; Agpt2; Ang-2

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.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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.

Operational Notes

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

Product Information

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

Calculated MW **Observed MW**
 26.03 kDa 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.

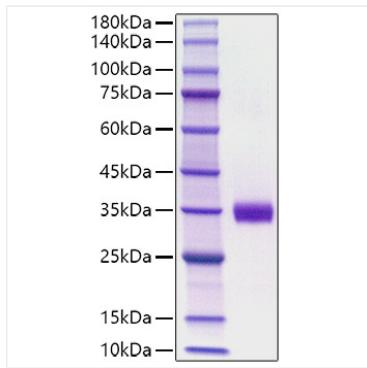
Reconstitution

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 freeze/thaw cycles.

Contact

	400-999-6126
	cn.market@abclonal.com.cn
	www.abclonal.com.cn

Validation Data



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