

Recombinant Mouse Angiopoietin-1/ANG-1 /ANGPT1(277-498) Protein

Catalog No.: RP01743

Sequence Information

Species	Gene ID
Mouse	11600
Swiss Prot	Tags
O08538	C-6His

Synonyms

Ang1; Ang-1; 1110046O21Rik

Product Information

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

Calculated MW Observed MW

26.49 kDa 25-35 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

The angiopoietin (ANGPT)-TIE2/TEK signaling pathway is essential for blood and lymphatic vascular homeostasis. ANGPT1 is a potent TIE2 activator, whereas ANGPT2 functions as a context-dependent agonist/antagonist. In disease, ANGPT2-mediated inhibition of TIE2 in blood vessels is linked to vascular leak, inflammation, and metastasis.

Basic Information

Description

Recombinant Mouse Angiopoietin-1/ANG-1/ANGPT1(277-498) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg277-Phe498) of mouse Angiopoietin-1/ANG-1/ANGPT1 (Accession #NP_033770.2) 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

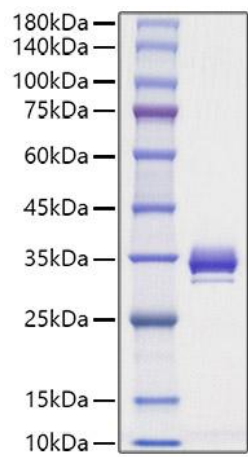
Operational Notes

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-1/ANG-1/ANGPT1(277-498) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.