

Recombinant Human ANGPT1 Protein (Ser20-Phe498), C-6×His-tagged, Biotinylated Conjugated

Product Information

Cat	<i>IMP-10191</i>
Official Symbol	<i>ANGPT1</i>
Product Overview	<i>Biotinylated recombinant human Angiopoietin-1 protein (Ser20-Phe498) with a C-terminal 6×His tag was expressed in Mouse myeloma cell line.</i>
Description	<i>This gene encodes a secreted glycoprotein that belongs to the angiopoietin family. Members of this family play important roles in vascular development and angiogenesis. All angiopoietins bind with similar affinity to an endothelial cell-specific tyrosine-protein kinase receptor. The protein encoded by this gene is a secreted glycoprotein that activates the receptor by inducing its tyrosine phosphorylation. It plays a critical role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme and inhibits endothelial permeability. The protein also contributes to blood vessel maturation and stability, and may be involved in early development of the heart. Mutations in this gene are associated with hereditary angioedema.</i>
Expression System	<i>Mouse myeloma cell line</i>
Species	<i>Human</i>
Tag	<i>C-6×His</i>
Predicted N Terminal	<i>Ser20</i>
Form	<i>Lyophilized from a 0.2 µm filtered solution in Tris-Citrate and NaCl with BSA as a carrier protein.</i>
Conjugate	<i>Biotinylated</i>
Molecular Mass	<i>Predicted Molecular Mass: 56 kDa (unlabeled)</i>
Protein length	<i>Ser20-Phe498</i>
Bio-activity	<i>Measured by its ability to inhibit serum deprivation induced apoptosis in HUVEC human umbilical vein endothelial cells. The ED50 for this effect is 10-40 ng/mL in the presence of 5 µg/mL of a cross-linking antibody, Mouse Anti-polyHistidine Monoclonal Antibody.</i>
Endotoxin	
Purity	<i>>90%, by SDS-PAGE with silver staining.</i>
Notes	<i>Oligomer</i>

Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution

Reconstitute at 10 µg/mL in PBS containing at least 0.1% human or bovine serum albumin.