

Recombinant Human ANGPT1 Protein, His-tagged

Cat. No. ANGPT1-150H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human ANGPT1 Protein (Asn21-Cys452) with N-His tag was expressed in E. coli.

Species Human

Source E.coli

ProteinLength Asn21-Cys452

Description 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.

Form Freeze-dried powder

Molecular Mass Predicted Molecular Mass: 53.9 kDa
Accurate Molecular Mass: 52 kDa

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	ANGPT1 angiotensinogen 1 [Homo sapiens (human)]
Official Symbol	ANGPT1
Synonyms	ANGPT1; angiotensinogen 1; angiotensinogen-1; Ang1; KIAA0003; ANG-1; AGP1; AGPT; ANG1
Gene ID	284
mRNA Refseq	NM_001146
Protein Refseq	NP_001137

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MIM	601667
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UniProt ID	Q15389
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