

Recombinant Human ANGPT1 protein, His-tagged

Cat. No. ANGPT1-525H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ANGPT1 (Q15389) aa. (Arg284~Cys452) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Arg284~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. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.0kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	> 95%
Characteristic	The isoelectric point is 6.3.
Applications	SDS-PAGE; WB; ELISA; IP
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

Gene Name	ANGPT1 angiopoietin 1 [Homo sapiens (human)]
Official Symbol	ANGPT1
Synonyms	ANGPT1; angiopoietin 1; AGP1; AGPT; ANG1; angiopoietin-1; ANG-1
Gene ID	284
mRNA Refseq	NM_001146.4
Protein Refseq	NP_001137.2

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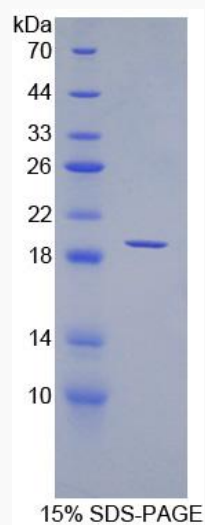
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UniProt ID

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SDS-PAGE

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