

## Recombinant Human ANGPT1, His-tagged

Cat. No. ANGPT1-9644H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human ANGPT1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** 161-293a.a.

**Description** Angiopoietins are proteins with 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.

**Source** E.coli

**Species** Human

**Tag** His

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<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	ANGPT1 angiotensinogen 1 [ Homo sapiens ]
<b>Official Symbol</b>	ANGPT1
<b>Synonyms</b>	ANGPT1; angiotensinogen 1; angiotensinogen-1; Ang1; KIAA0003; ANG-1; AGP1; AGPT; ANG1;
<b>Gene ID</b>	284
<b>mRNA Refseq</b>	NM_001146
<b>Protein Refseq</b>	NP_001137
<b>MIM</b>	601667
<b>UniProt ID</b>	Q15389
<b>Chromosome Location</b>	8q23.1
<b>Pathway</b>	Angiotensin receptor Tie2-mediated signaling, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; Rheumatoid arthritis, organism-specific biosystem;

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Rheumatoid arthritis, conserved biosystem; Tie2 Signaling, organism-specific biosystem;

**Function**

receptor tyrosine kinase binding;

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