

Recombinant Human Ang-1

Cat. No. Ang-1-3455H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Angiopoietin-1 / Ang-1
Species	Human
Source	HeLa
ProteinLength	498
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.
Form	Lyophilized
Molecular Mass	57,513 Da
Purity	>95% by SDS-PAGE & HPLC analyses
Notes	Small volumes of Ang-1 recombinant protein may occasionally become entrapped in

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the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.

Warning

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name [ANGPT1 angiotensinogen 1 \[Homo sapiens \]](#)

Official Symbol ANGPT1

Synonyms angiotensinogen-1; ANG-1

Gene ID [284](#)

mRNA Refseq [NM_001146](#)

Protein Refseq [NP_001137](#)

MIM [601667](#)

UniProt ID [Q15389](#)

Chromosome Location 8q23.1

Pathway Angiogenesis, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem

Function receptor tyrosine kinase binding

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