

# Recombinant Full Length Human ANGPT1 Protein, GST-tagged

**Cat. No.** ANGPT1-661HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human ANGPT1(1 a.a. - 498 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	498 amino acids
<b>Description</b>	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.
<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	83.9 kDa
<b>AA Sequence</b>	MTVFLSFAFL AAILTHIGCS NQRRSPENSG RRYNRIQHGQ CAYTFILPEH

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 45-1 Ramsey Road, Shirley, NY 11967, USA

DGNCRESTTD QYNTNALQRD APHVEPDFSS QKLQHLEHVM ENYTQWLQKL  
 ENYIVENMKS EMAQIQQNAV QNHTATMLEI GTSLLSQTAE QTRKLTDTVET  
 QVLNQTSRLE IQLLENSLST YKLEKQLLQQ TNEILKIHEK NSLLEHKILE  
 MEGKHKEELD TLKEEKENLQ GLVTRQTYII QELEKQLNRA TTNSVLQKQ  
 QLELMDTVHN LVNLCTKEGV LLKGGKREEE KPFRDCADVY QAGFNKSGIY  
 TIYINMPEP KKVFCNMDVN GGGWTVIQHR EDGSLDFQRG WKEYKMGFGN  
 PSGEYWLGNE FIFAITSQRQ YMLRIELMDW EGNRAYSQYD RFHIGNEKQN  
 YRLYLKGTG TAGKQSSLIL HGADFSTKDA DNDNCMCKCA LMLTGGWWFD  
 ACGPSNLNGM FYTAGQNHGK LNGIKWHYFK GPSYSLRSTT MMIRPLDF

**Applications**

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
 Antibody Production; Protein Array

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name**

ANGPT1 angiotensinogen 1 [ Homo sapiens ]

**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

**MIM**

601667

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