

Recombinant Full Length Human ANGPT1 Protein, GST-tagged

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

SPECIFICATION

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

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DGNCRESTTD QYNTNALQRD APHVEPDFSS QKLQHLEHVM ENYTQWLQKL
 ENYIVENMKS EMAIIQQNAV QNHTATMLEI GTSLLSQTA E QTRKLTDTVET
 QVLNQTSRLE IQLLENSLST YKLEKQLLQQ TNEILKIHEK NSLLEHKILE
 MEGKHKEELD TLKEEKENLQ GLVTRQTYII QELEKQLNRA TTNSVLQKQ
 QLELMDTVHN LVNLCTKEGV LLKGGKREEE KPFRDCADVY QAGFNKSGIY
 TIYINNMPEP KKVFCNMDVN GGGWTVIQHR EDGSLDFQRG WKEYKMGFGN
 PSGEYWLGN E FIFAITSRQ YMLRIELMDW EGNRAYSQYD RFHIGNEKQN
 YRLYLKGHTG TAGKQSSLIL HGADFSTKDA DNDNCMCKCA LMLTGGWWFD
 ACGPSNLNGM FYTAGQNHGK LNGIKWHYFK GPSYSRSTT 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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UniProt ID

Q15389

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