

# Recombinant Full Length Human ANGPT2 Protein, GST-tagged

**Cat. No.** ANGPT2-1034HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human ANGPT2 full-length ORF (BAG35440.1, 1 a.a. - 496 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 496 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | The protein encoded by this gene is an antagonist of angiopoietin 1 (ANGPT1) and endothelial TEK tyrosine kinase (TIE-2, TEK). The encoded protein disrupts the vascular remodeling ability of ANGPT1 and may induce endothelial cell apoptosis. Three transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]                                                                                                                                     |
| <b>Molecular Mass</b>   | 80.96 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | <p>MWQIVFFTLS CDLVLAAAYN NFRKSMDSIG KKQYQVQHGS CSYTFLLPEM</p> <p>DNCRSSSSPY VSNVQRDAP LEYDDSVQRL QVLENIMENN TQWLMKLENY</p> <p>IQDNMKKEMV EIQQNAVQNNQ TAVMIEIGTN LLNQTAEQTR KLTDVEAQVL</p> <p>NQTTRLELQL LEHSLSTNKL GKQILDQTSE INKFQDKNSF LEKKVLAMED</p> <p>KHIIQLQSIK EEKDQLQVLV SKQNSIIEEL EKKIVTATVN NSVLQKQQHD</p> <p>LMETVNNLLT MMSTSNSAKD PTVAKEEQIS FRDCAEVFKS GHTTNGIYTL</p> <p>TFPNSTEEIK AYCDMEAGGG GWTIIQRRED GSVDFQRTWK EYKVGFGNPS</p> <p>GEYWLGNFV SQLTNQQRVY LKIHDKDWEK NEAYSLYEHF YLSSEELNYR</p> |

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IHLKGLTGTA GKISSISQPG NDFSTKDGDN DKCICKCSQM LTGGWWFDAC  
GPSNLNGMYYPQQRQNTNKFNGIKWYYWKGS GYSLKATTMM IRPADF

**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.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

ANGPT2 angiopoietin 2 [ Homo sapiens ]

**Official Symbol**

ANGPT2

**Synonyms**

ANGPT2; angiopoietin 2; angiopoietin-2; Ang2; ANG-2; Tie2-ligand; angiopoietin-2B;  
angiopoietin-2a; ANG2; AGPT2

**Gene ID**

285

**mRNA Refseq**

NM\_001118887

**Protein Refseq**

NP\_001112359

**MIM**

601922

**UniProt ID**

O15123

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