

# Recombinant Human ANGPT2 protein, GST-tagged

**Cat. No.** ANGPT2-551H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <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>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <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>MWQIVFFTLSCDLVLAAYNNFRKSMDSIGKKQYQVQHSGCSYTFLLPEMDNCRSS</p> <p>SSPYVSNVQVRDAPLEYDDSVQRLQVLENIMENNTQWLMKLENYIQDNMKKEMVEI</p> <p>QQNAVQNQTAVMIEIGTNLLNQTAEQTRKLTDEAQVLNQTTRELEQLLEHSLSTNK</p> <p>LGKQILDQTSEINKFQDKNSFLEKKVLAMEDKHIIQLQSIKEEKDQLQVLVSKQNSIIEE</p> <p>LEKKIVTATVNNSVLQKQQHDLMETVNNLLTMMSTSNSAKDPTVAKEEQISFRDCAE</p> <p>VFKSGHTTNGIYTLTFPNSTEEIKAYCDMEAGGGGWTIIQRREDGSVDFQRTWKEY</p> <p>KVGFGNPSGEYWLGNFVSQLTNQRYVLKIHLKDWEGNEAYSLYEHFYLSSSEELN</p> <p>YRIHLKGLTGTAGKISSISQPGNDFSTKDGNDKCKICKCSQMLTGWWFDACGPSN</p> <p>LNGMYYPQRQNTNKFNGIKWYYWKSGSYSLKATTMMIRPADF</p> |

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|-------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array  |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                       |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                     |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                     |
| <b>GENE INFORMATION</b> |                                                                                                              |
| <b>Gene Name</b>        | ANGPT2 angiotensin 2 [ Homo sapiens ]                                                                        |
| <b>Official Symbol</b>  | ANGPT2                                                                                                       |
| <b>Synonyms</b>         | ANGPT2; angiotensin 2; angiotensin-2; Ang2; ANG-2; Tie2-ligand; angiotensin-2B; angiotensin-2a; ANG2; AGPT2; |
| <b>Gene ID</b>          | 285                                                                                                          |
| <b>mRNA Refseq</b>      | NM_001118887                                                                                                 |
| <b>Protein Refseq</b>   | NP_001112359                                                                                                 |
| <b>MIM</b>              | 601922                                                                                                       |
| <b>UniProt ID</b>       | O15123                                                                                                       |

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