

# Recombinant Human ANGPT2 protein, His-Avi-tagged, Biotinylated

**Cat. No.** ANGPT2-523HB    **Lot. No.** (See product label)

## SPECIFICATION

|                          |                                                                                                                                                                                                                          |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>  | Biotinylated Recombinant Human ANGPT2 protein(O15123-1)(Lys275-Phe496), fused with N-terminal His and Avi tag, was expressed in HEK293.                                                                                  |
| <b>Species</b>           | Human                                                                                                                                                                                                                    |
| <b>Source</b>            | HEK293                                                                                                                                                                                                                   |
| <b>ProteinLength</b>     | Lys275-Phe496                                                                                                                                                                                                            |
| <b>Tag</b>               | N-His-Avi                                                                                                                                                                                                                |
| <b>Conjugation/Label</b> | Biotin                                                                                                                                                                                                                   |
| <b>Form</b>              | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.                                                                                           |
| <b>Bio-activity</b>      | Immobilized Biotinylated Human ANGPT2, His Tag at 1ug/ml (100ul/well) on the streptavidin precoated plate (5ug/ml). Dose response curve for Anti-ANGPT2 Antibody, hFc Tag with the EC50 of 3.8ng/ml determined by ELISA. |
| <b>Molecular Mass</b>    | The protein has a predicted MW of 28.4 kDa. Due to glycosylation, the protein migrates to 32-37 kDa based on Tris-Bis PAGE result.                                                                                       |
| <b>Endotoxin</b>         | Less than 1EU per µg by the LAL method.                                                                                                                                                                                  |

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|                       |                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 95% as determined by Tris-Bis PAGE                                                                                                                        |
| <b>Storage</b>        | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.                    |
| <b>Reconstitution</b> | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| <b>Conjugation</b>    | Biotin                                                                                                                                                      |

## GENE INFORMATION

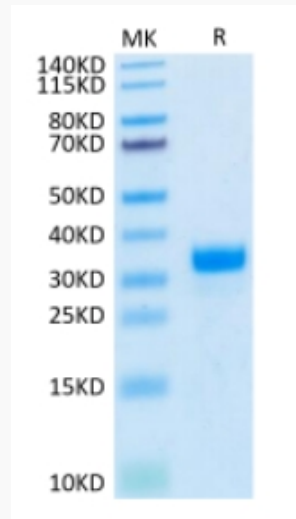
|                        |                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ANGPT2 angiopoietin 2 [ Homo sapiens ]                                                                           |
| <b>Official Symbol</b> | ANGPT2                                                                                                           |
| <b>Synonyms</b>        | ANGPT2; angiopoietin 2; angiopoietin-2; Ang2; ANG-2; Tie2-ligand; angiopoietin-2B; angiopoietin-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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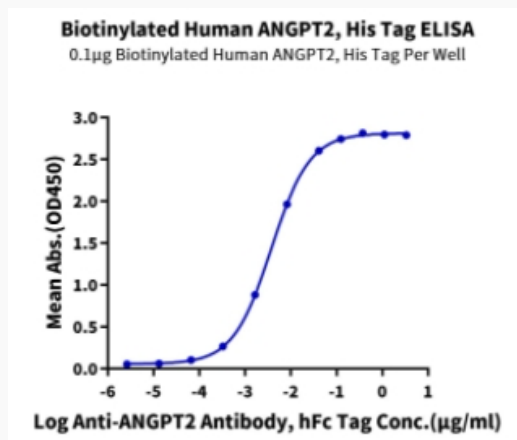
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## Tris-Bis PAGE



## ELISA Data



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