

**PRODUCT INFORMATION**

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|---|---|
| <b>Target</b>                           | ANGPT2  |
| <b>Synonyms</b>                         | AGPT2;ANG2;LMPHM10  |
| <b>Description</b>                      | Recombinant Human ANGPT2(275-496) Protein with C-terminal 6×His tag   |
| <b>Delivery</b>                         | In Stock  |
| <b>Uniprot ID</b>                       | O15123  |
| <b>Expression Host</b>                  | HEK293  |
| <b>Tag</b>                              | C-6×His Tag   |
| <b>Molecular Characterization</b>       | ANGPT2(Lys275-Phe496) 6×His tag   |
| <b>Molecular Weight</b>                 | The protein has a predicted molecular mass of 26.3 kDa after removal of the signal peptide. The apparent molecular mass of ANGPT2(275-496)-His is approximately 25-35 kDa due to glycosylation.   |
| <b>Purity</b>                           | The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.  |
| <b>Formulation &amp; Reconstitution</b> | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.  |
| <b>Storage &amp; Shipping</b>           | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.   |
| <b>Background</b>                       | This gene belongs to the angiopoietin family of growth factors. The protein encoded by this gene is an antagonist of angiopoietin 1, and both angiopoietin 1 and angiopoietin 2 are ligands for the endothelial TEK receptor tyrosine kinase. Angiopoietin 2 is upregulated in multiple inflammatory diseases and is implicated in the direct control of inflammation-related signaling pathways. The encoded protein affects angiogenesis during embryogenesis and tumorigenesis, disrupts the vascular remodeling ability of angiopoietin 1, and may induce endothelial cell apoptosis. This gene serves a prognostic biomarker for acute respiratory distress syndrome. [provided by RefSeq, Aug 2020] |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |



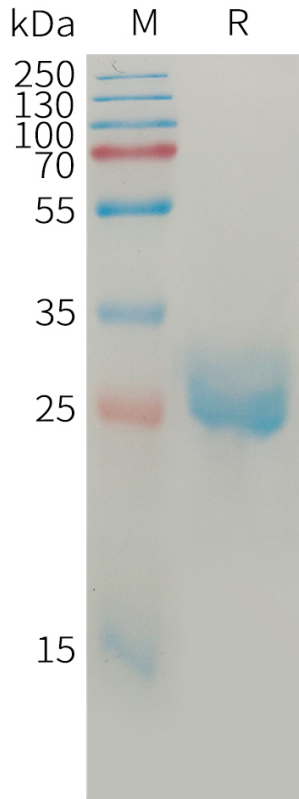


Figure 1. Human ANGPT2(275-496) Protein, His Tag on SDS-PAGE under reducing condition.

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