

## **PRODUCT INFORMATION**

ANGPT2 **Target** 

**Synonyms** AGPT2;ANG2;LMPHM10

Recombinant Human ANGPT2(19-496) Protein Description

with C-terminal 6×His tag

**Delivery** In Stock **Uniprot ID** 015123 **Expression Host HEK293** Tag C-6×His Tag

Molecular

Purity

**Background** 

ANGPT2(Tyr19-Phe496) 6×His tag Characterization

The protein has a predicted molecular mass of **Molecular Weight** 

55.7 kDa after removal of the signal peptide. The apparent molecular mass of ANGPT2(19-496)-His is approximately 55-70 kDa due to glycosylation.

The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. 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 Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

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 rolated signaling.

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

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distress syndrome. [provided by RefSeq, Aug

Usage Research use only

Conjugate Unconjugated



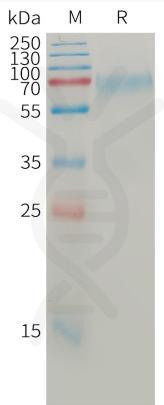


Figure 1. Human ANGPT2(19-496) Protein, His Tag on SDS-PAGE under reducing condition.

