

## 32-18147: Recombinant Human ANGPT2(19-496) Protein, His Tag

**Uniprot ID :** O15123  
**Alternative Name :** AGPT2; ANG2; LMPHM10

### Description

Molecular Characterization: ANGPT2(Tyr19-Phe496) 6 $\text{\AA}$ —His tag

Molecular weight: The protein has a predicted molecular mass of 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.

Description: Recombinant Human ANGPT2(19-496) Protein with C-terminal 6 $\text{\AA}$ —His tag

This gene belongs to the angiotensin family of growth factors. The protein encoded by this gene is an antagonist of angiotensin 1, and both angiotensin 1 and angiotensin 2 are ligands for the endothelial TEK receptor tyrosine kinase. Angiotensin 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 angiotensin 1, and may induce endothelial cell apoptosis. This gene serves a prognostic biomarker for acute respiratory distress syndrome.

### Product Info

**Amount :** 100  $\mu\text{g}$  / 50  $\mu\text{g}$   
**Content :** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.  
**Storage condition :** 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.