HUMAN ANGPT2(19-496) PROTEIN, HIS TAG

Cat.#: 11870

Product Name: Human ANGPT2(19-496) Protein

Size : 10 μg, 50 μg and 100 μg

Synonyms: AGPT2;ANG2;LMPHM10

Target: ANGPT2

UNIPROT ID: O15123

Description: Recombinant Human ANGPT2(19-496) Protein with C-terminal 6xHis tag

Background: 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]

Species/Host: HEK293

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.

Molecular Characterization: ANGPT2(Tyr19-Phe496) 6×His tag

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

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: 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.

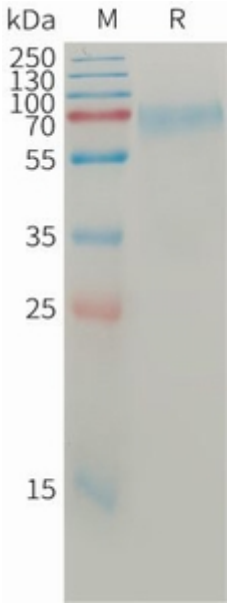

Figure 1. Human ANGPT2(19-496) Protein, His Tag on SDS-PAGE under reducing condition.