

HUMAN ANGPT2 PROTEIN, HFC TAG**Cat.#:** 11604**Product Name:** Human ANGPT2 Protein**Size :** 10 µg, 50 µg and 100 µg**Synonyms:** ANGPT2;GPT2;NG2;ngiopoietin-2**Target:** ANGPT2**UNIPROT ID:** O15123**Description:** Recombinant human ANGPT2 protein with C-terminal human Fc tag**Background:** The protein encoded by this gene is an antagonist of angiopoietin 1 (Ang-1), and both (Ang-1 and Ang-2) are ligands for the endothelial tyrosine kinase receptor (Tie2). These two ligands affect angiogenesis during embryogenesis and tumorigenesis. The encoded protein disrupts the vascular remodeling ability of Ang-1 and may induce endothelial cell apoptosis. Three transcript variants encoding three different isoforms have been found for this gene.**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 49.94 kDa after removal of the signal peptide.**Molecular Characterization:** ANGPT2(Lys275-Phe496) hFc(Glu99-Ala330)**Purity:** The purity of the protein is greater than 95% 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.