

## Recombinant Human ANGPT2 Protein, TYR19-PHE496, Tag Free, Biotinylated

Cat. No. ANGPT2-013H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human Angiopoietin-2 protein was developed from HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	TYR19-PHE496
<b>Description</b>	<p>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.</p>
<b>Conjugation/Label</b>	Biotin
<b>Form</b>	Lyophilised
<b>Endotoxin</b>	Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).
<b>Notes</b>	FOR RESEARCH USE ONLY (RUO).

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<b>Storage</b>	Recombinant Angiopoietin-2 can be stored in working aliquots at 2 to 8 centigrade for one month, or at -20 to -70 centigrade for twelve months. Avoid repeated freeze/thaw cycles.
<b>Storage Buffer</b>	Lyophilised from 0.2 µm filtered PBS solution, pH 7.2, 5% Trehalose.
<b>Conjugation</b>	Biotin
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	ANGPT2 angiopoietin 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	ANGPT2
<b>Synonyms</b>	ANGPT2; angiopoietin 2; angiopoietin-2; Ang2; ANG-2; Tie2-ligand; angiopoietin-2B; angiopoietin-2a; ANG2; AGPT2;
<b>Gene ID</b>	285
<b>mRNA Refseq</b>	NM_001118887
<b>Protein Refseq</b>	NP_001112359
<b>MIM</b>	601922
<b>UniProt ID</b>	O15123

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