

Active Recombinant Human ANGPT2 protein, His & Avi-tagged, Biotinylated

Cat. No. ANGPT2-524HB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human ANGPT2 protein (NP_001138.1) (Lys275-Phe496) was expressed in HEK293, fused with a c-terminal AVI tagged polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Lys275-Phe496
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Immobilized Recombinant Human Tie2 / CD202b / TEK Protein (ECD, His Tag) at 2 µg/ml (100 µl/well) can bind Recombinant Human Angiopoietin-2 Protein (AVI & His Tag), Biotinylated, the EC50 is 300-900 ng/mL.
Molecular Mass	The recombinant human ANGPT2 consists of 248 amino acids and predicts a molecular mass of 28.72 kDa. It migrates as an approximately 30.74 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE. > 95 % as determined by SEC-HPLC.

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	ANGPT2 angiopoietin 2 [Homo sapiens]
Official Symbol	ANGPT2
Synonyms	ANGPT2; angiopoietin 2; angiopoietin-2; Ang2; ANG-2; Tie2-ligand; angiopoietin-2B; angiopoietin-2a; ANG2; AGPT2;
Gene ID	285
mRNA Refseq	NM_001118887
Protein Refseq	NP_001112359
MIM	601922
UniProt ID	O15123

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