

Active Recombinant Human ANGPT2 protein(Met1-Phe496), His-tagged

Cat. No. ANGPT2-3182H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Angiopoietin 2 (NP_001138.1) (Met 1-Phe 496) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Phe496
Form	Lyophilized from sterile 2mM MOPS, 15mM NaCl, .5% CHAPS, pH 7. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its ability to bind recombinant human Tie2-His in a functional ELISA. 2. Measured by its ability to bind recombinant human Tie2-Fch in a functional ELISA.
Molecular Mass	The recombinant human Ang2 consists of 489 amino acids and predicts a molecular mass of 56.4 kDa. As a result of glycosylation, the rhAng2 migrates as approximately 63.5 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 92 % as determined by SDS-PAGE

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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.

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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