

Active Recombinant Human ANGPT2 protein, hFc-tagged

Cat. No. ANGPT2-200H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ANGPT2 protein(NP_001138.1)(Met1-Phe496), fused with hFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Phe496
Form	Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized recombinant human Angiopoietin-2 at 10 µg/ml (100 µl/well) can bind Human Tie2 / Fc chimera with a range of 0.2-20 µg/ml.
Molecular Mass	The recombinant human Ang2/Fc is a disulfide-linked homodimeric Protein after removal of the signal pep. The reduced monomer consists of 716 amino acids and predicts a molecular mass of 81.6 kDa. As a result of glycosylation, the rhAng2/Fc monomer migrates as approximately 110-115 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 90 % as determined by SDS-PAGE
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	VASN; vasorin; slit like 2 (Drosophila) , SLITL2; slit-like 2; protein slit-like 2; SLITL2
Gene ID	285
mRNA Refseq	NM_001118887
Protein Refseq	NP_001112359
MIM	601922
UniProt ID	O15123

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