

Active Recombinant Human ANGPT2, Flag-tagged

Cat. No. ANGPT2-435H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ANGPT2(aa 19-496), fused at the N-terminus to a FLAG®-tag, was expressed in HEK 293 cells.
Species	Human
Source	HEK293
ProteinLength	19-496 a.a.
Description	The protein encoded by this gene is an antagonist of angiopoietin 1 (ANGPT1) and endothelial TEK tyrosine kinase (TIE-2, TEK). The encoded protein disrupts the vascular remodeling ability of ANGPT1 and may induce endothelial cell apoptosis. Three transcript variants encoding three different isoforms have been found for this gene.
Form	Lyophilized. Contains PBS with trehalose and Brij35.
Bio-activity	Binds to the human and mouse Tie-2 receptor.
Molecular Mass	~70kDa (SDS-PAGE)
Endotoxin	<0.01EU/μg purified protein (LAL test; Lonza).
Purity	≥95% (SDS-PAGE)

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Storage	Short Term Storage: +4°C Long Term Storage: -20°C Handling Advice: After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles. PBS containing at least 0.1% BSA should be used for further dilutions.
Concentration	0.1 mg /ml after reconstitution.
Reconstitution	Reconstitute with 100µl sterile water.
GENE INFORMATION	
Gene Name	ANGPT2 angiotensin 2 [Homo sapiens]
Official Symbol	ANGPT2
Synonyms	ANGPT2; angiotensin 2; ANG2; AGPT2; Tie2-ligand; angiotensin-2B;.angiotensin-2a; angiotensin-2; ANG-2
Gene ID	285
mRNA Refseq	NM_001118887
Protein Refseq	NP_001112359
MIM	601922
UniProt ID	O15123
Chromosome Location	8p23.1
Pathway	Angiotensin receptor Tie2-mediated signaling; Cell surface interactions at the

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vascular wall; HIF-1 signaling pathway

Function

metal ion binding; protein binding; receptor binding; receptor tyrosine kinase binding

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