

Active Recombinant Human ANGPT2 protein, His-tagged

Cat. No. ANGPT2-550H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ANGPT2 (O15123) partial recombinant protein with His tag expressed in CHO cells.
Species	Human
Source	Hamster
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. [provided by RefSeq, Jul 2008]
Form	Lyophilized
Bio-activity	Determined by its ability to stimulate tubulogenesis in HUVEC cells using a concentration of 0.2 ug/ml.
Molecular Mass	60-70 kDa
AA Sequence	DAPLEYDDSVQRLQVLENIMENNTQWLMKLENYIQDNMKKEMVEIQQNAVQNQTAV MIEIGTNLLNQTAEQTRKLT DVEAQVLNQTT RLELQLLEHSLSTNKLEKQILDQTSEIN KLQDKNSFLEKKVLAMEDKHIIQLQSIKEEKDQLQVLVSKQNSIIEELEKKIVTATVNNS VLQKQQHDLMETVNNLLTMMSTSNSAKDPTVAKEEQISFRDCAEVFKSGHTTNGIY TLTFPNSTEEIKAYCDMEAGGGGWTIIQRREDGSVDFQRTWKEYKVGFGNPSGEY

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WLGNEFVSQLTNQQRVVLKIHLKDWEGNEAYSLYEHFYLSSSEELNYRIHLKGLTGTA
GKISSISQPGNDFSTKDGNDKCKCSQMLTGGWWFDACGPSNLNGMYYPQRQN
TNKFNGIKWYYWKSGSYSLKATTMMIRPADFHSHHHHH

Endotoxin	Endotoxin level is < 0.1 ng/ug of protein (< 1 EU/ug).
Purity	95%
Applications	Functional Study; SDS-PAGE
Usage	Activity assay SDS-PAGE The optimal working dilution should be determined by the end user.
Storage	Store at -20 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	Lyophilized from solutions contain no sodium azide nor carrier protein

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

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Protein Refseq	NP_001112359
MIM	601922
UniProt ID	O15123

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