

Recombinant Human ANGPT2 Protein, His-tagged

Cat. No. ANGPT2-696H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ANGPT2 Protein is produced by CHO cell expression system. This protein is fused with a His tag.
Species	Human
Source	CHO
ProteinLength	19-496 aa
Description	Angiopoietin-2, also known as ANGPT2, is a member of the ANG family. It has been identified as ligands for vascular endothelial-specific Tie2 receptor tyrosine kinase that interact with ANG2. This protein may be important growth factors in the generation of new blood vessels. Also, it is over-expression disrupts blood vessel formation in the mouse embryo. This protein is strongly expressed only at sites of vascular remodeling. It has been suggested that it may act synergistically with other cytokines such as vascular endothelial growth factor to promote tumor-associated angiogenesis and tumor progression. Recombinant human Angiopoietin-2 fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Molecular Mass	55.7 kDa
AA Sequence	YNNFRKSMDS IGKKQYQVQH GSCSYTFLLP EMDNCRSSSS PYVSNAVQRD

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APLEYDDSVQ RLQVLENIME NNTQWLMKLE NYIQDNMKKEMVEIQQNAVQ
 NQTAVMIEIG TNLLNQTAEQ TRKLTDVEAQ VLNQTTRLEL QLLEHSLSTN
 KLEKQILDQT SEINKLQDKN SFLEKKVLAMEDKHIQLQS IKEEKDQLQV
 LVSKQNSII ELEKKIVTAT VNNSVLLQKQQ HDLMETVNNL LTMMSTSNSA
 KDPTVAKEEQ ISFRDCAEVFKSGHTTNGIY TLTFPNSTEE IKAYCDMEAG
 GGGWTIIQRR EDGSVDFQRT WKEYKVGFGN PSGEYWLGNE FVSQLTNQQR
 YVLKIHLKDWEGLNEAISLYE HFYLSSEELN YRIHLKGLTG TAGKISSISQ
 PGNDFSTKDG DNDKCIKCS QMLTGGWWFD ACGPSNLNGM
 YYPQRQNTNKFNGIKWYYWK GSGYSLKATT MMIRPADFHH HHHH

Endotoxin	< 1.0 EU per 1 ug of protein (determined by LAL method)
Purity	> 90 % by SDS - PAGE
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Absorbance at 280 nm)

GENE INFORMATION

Gene Name	ANGPT2 angiopoietin 2 [Homo sapiens]
Official Symbol	ANGPT2
Synonyms	Angiopoietin-2 isoform a; ANGPT2; AGPT2; ANG2; angiopoietin 2; Tie2-ligand; angiopoietin-2B; angiopoietin-2a;

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Gene ID	285
mRNA Refseq	NM_001118887
Protein Refseq	NP_001112359
MIM	601922
UniProt ID	O15123

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