

Recombinant Human ANGPT2 Protein, N-FLAG-tagged

Cat. No. ANGPT2-34H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Angiopoietin-2 fusion protein. This protein contains an N-terminal FLAG-tag followed by the oligomerization domain of COMP (a.a 28-72 of mouse COMP (Cartilage Oligomeric Matrix Protein, also designated thrombospondin 5); fused to amino acids 258-496(end) of human Angiopoietin-2.
Species	Human
Source	HEK293
ProteinLength	28-72;258-496 a.a.
Description	This gene belongs to the angiopoietin family of growth factors. The protein encoded by this gene is an antagonist of angiopoietin 1, and both angiopoietin 1 and angiopoietin 2 are ligands for the endothelial TEK receptor tyrosine kinase. Angiopoietin 2 is upregulated in multiple inflammatory diseases and is implicated in the direct control of inflammation-related signaling pathways. The encoded protein affects angiogenesis during embryogenesis and tumorigenesis, disrupts the vascular remodeling ability of angiopoietin 1, and may induce endothelial cell apoptosis. This gene serves a prognostic biomarker for acute respiratory distress syndrome.
Form	8 mM Phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol.
Molecular Mass	33 kDa
AA Sequence	ANG2 258–496 (end), COMP 28–72

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	84%
Usage	Research Use Only
Storage	At least 6 months at -80 centigrade.
Storage Buffer	Aqueous buffer solution.
Shipping	-80 centigrade
Warning	Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	ANGPT2 angiopoietin 2 [Homo sapiens (human)]
Official Symbol	ANGPT2
Synonyms	ANG2; AGPT2; LMPHM10
Gene ID	285
mRNA Refseq	NM_001147.3
Protein Refseq	NP_001138.1
MIM	601922
UniProt ID	O15123

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