

Recombinant Human ANGPT2 Protein

Cat. No. ANGPT2-484H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human ANGPT2 protein
Species	Human
ProteinLength	496
Description	<p>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.</p> <p>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.</p>
Form	Lyophilized
AA Sequence	<p>MWQIVFFTLSCDLVLAAYNNFRKSMDSIGKKQYQVQHGSCSYTFLLPEMDNCRSS SSPYVSNVQRDAPLEYDDSVQRLQVLENIMENNTQWLMKLENYIQDNMCKEMVEI QQNAVQNQTAVMIEIGTNLLNQTAEQTRKLT DVEAQVLNQTTRELEQLLEHSLSTNK LEKQILDQTSEINKLQDKNSFLEKKVLAMEDKHIIQLQSIKEEKDQLQVLVSKQNSIIIE LEKKIVTATVNNSVLQKQQHDLMETVNNLLTMMSTSNSAKDPTVAKEEQISFRDCAE VFKSGHTTNGIYTLTFPNSTEEIKAYCDMEAGGGGWTTIIQRREDGSVDFQRTWKEY KVGFGNPSGEYWLGNEFVSQLTNQQRYVLKIHLDWEGNEAYSLEYHFYLSSEELN</p>

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YRIHLKGLTGTAGKISSISQPGNDFSTKGDNDKCICKCSQMLTGGWWFDACGPSN
LNGMYYPQRQNTNKFNGIKWYYWKGSGYSLKATTMMIRPADF

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name [ANGPT2](#) [angiopoietin 2 \[Homo sapiens \(human\) \]](#)

Official Symbol [ANGPT2](#)

Synonyms ANGPT2; angiopoietin 2; angiopoietin-2; Ang2; ANG-2; Tie2-ligand; angiopoietin-2B; angiopoietin-2a; ANG2; AGPT2;

Gene ID [285](#)

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mRNA Refseq	NM_001118887
Protein Refseq	NP_001112359
MIM	601922
UniProt ID	O15123

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