

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	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	Lyophilized
AA Sequence	MWQIVFFTLSCDLVLAAYNNFRKSMDSIGKKQYQVQHGSCSYTFLLPEMDNCRSS SSPYVSNVQRDAPLEYDDSVQRLQVLENIMENNTQWLMKLENYIQDNMCKEMVEI QQNAVQNQTAVMIEIGTNLLNQTAEQTRKLTDEAQVLNQTTRELLQLLEHSLSTNK LEKQILDQTSEINKLQDKNSFLEKKVLAMEDKHIIQLQSIKEEKDQLQVLVSKQNSIIIE LEKKIVTATVNNSVLQKQQHDLMETVNNLLTMMSTSNSAKDPTVAKEEQISFRDCAE VFKSGHTTNGIYTLTFPNSTEEIKAYCDMEAGGGGWTIIQRREDGSVDFQRTWKEY KVGFGNPSGEYWLGNEFVSQLTNQRYVLKIHLDWEGNEAYSLYEHFYLSSSEELN

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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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