



# Recombinant Human Angiopoietin-2 (ANGPT2), partial

<b>Product Code</b>	CSB-EP001707HU-B
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	O15123
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	YNNFRKSMDSIGKKQYQVQHGSCSYTFLLPEMDNCRSSSSPYVSNVQRDA PLEYDDSVQRLQVLENIMENNTQWLMKLENIQDNMCKEMVEIQQNAVQNQT AVMIEIGTNLLNQTAEQTRKLT DVEAQLNQTTTRLELQLEHSLSTNKLEKQILD QTSEINKLQDKNSFLEKKVLAMEDKHIIQLQSIKEEKDQLQVLVSKQNSIIEELEK KIVTATVNNVSLQKQQHDLMETVNNLLTMMSTSNSAKDPTVAKEEQISFRDCA EVFKSGHTTNGIYTLTFPNSTEEIKAYCDMEAGGGGWTTIQRREDGSVDFQRT WKEYKVGFGNPSGEYWLGNEFVSQLTNQQRYVLKIHLDWEGNEAYSLEYH FYLSSEELNYRIHLKGLTG TAGKISSISQPGNDFSTKGDNDKCICKCSQMLTG GWWFDACGPSNLNGMYYPQRQNTNKFNGIKWYYWKGSGYSLK
<b>Research Area</b>	Cardiovascular
<b>Source</b>	E.coli
<b>Target Names</b>	ANGPT2
<b>Protein Names</b>	Recommended name: Angiopoietin-2 Short name= ANG-2
<b>Expression Region</b>	19-485aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Partial
<b>Target Details</b>	This protein 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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

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