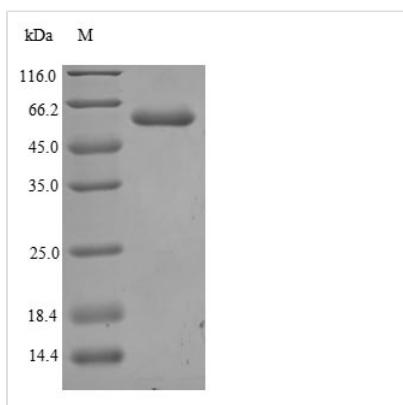




# Recombinant Human Angiopoietin-2 (ANGPT2), partial

<b>Product Code</b>	CSB-YP001707HU
<b>Relevance</b>	Binds to TEK/TIE2, competing for the ANGPT1 binding site, and modulating ANGPT1 signaling. Can induce tyrosine phosphorylation of TEK/TIE2 in the absence of ANGPT1. In the absence of angiogenic inducers, such as VEGF, ANGPT2-mediated loosening of cell-matrix contacts may induce endothelial cell apoptosis with consequent vascular regression. In concert with VEGF, it may facilitate endothelial cell migration and proliferation, thus serving as a permissive angiogenic signal.
<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>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	YNNFRKSMDSIGKKQYQVQHGSCSYTFLLPEMDCRSSSSPYVSNVAVQRDA PLEYDDSVQRLQVLENIMENNTQWLMKLENYIQDNMKKEMVEIQQNAVQNQT AVMIEIGTNLLNQTAEQTRKLT DVEAQVLNQTTTRLELQLEHSLSTNKLEKQILD QTSEINKLQDKNSFLEKKVLAMEDKHIIQLQSIKEEKDQLQVLVSKQNSIIEELEK KIVTATVNNVSLQKQHDLMETVNNLLTMMSTSNSAKDPTVAKEEQISFRDCA EVFKSGHTTNGIYTLTFPNSTEEIKAYCDMEAGGGGWTTIIQRREDGSVDFQRT WKEYKVGFGNPSGEYWLGNEFVSQLTNQQRYVLKIHLDWEGNEAYSLEYH FYLSSEELNYRIHLKGLTGTAGKISSISQPGNDFSTKDGNDKCKICKCSQMLTG GWWFDACGPSNLNGMYYPQRQNTNKFNGIKWYYWKGSGYSLK
<b>Research Area</b>	Cardiovascular
<b>Source</b>	Yeast
<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>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	55.7kDa
<b>Protein Length</b>	Partial
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

### Reconstitution

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.

### Shelf Life

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.