

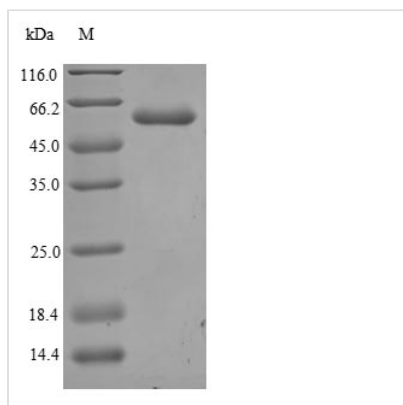


Recombinant Human Angiopoietin-2 (ANGPT2), partial

Product Code	CSB-YP001707HU
Relevance	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.
Abbreviation	Recombinant Human ANGPT2 protein, partial
Storage	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.
Uniprot No.	O15123
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	YNNFRKSMDSIGKKQYQVQHGSCSYTFLLPEMDNCRSSSSPYVSNVQRDA PLEYDDSVQRLQVLENIMENNTQWLMKLENIQDNMCKEMVEIQNAVQNQT AVMIEIGTNLLNQTAEQTRKLTDEAQLNQTTRELEQLLEHSLSTNKLEKQILD QTSEINKLQDKNSFLEKKVLAMEDKHIIQLQSIKEEKDQLQVLVSKQNSIIEELEK KIVTATVNNSVLQKQHDLMETVNNLLTMMSTSNSAKDPTVAKEEQISFRDCA EVFKSGHTTNGIYTLTFPNSTEEIKAYCDMEAGGGGWTIIQRREDGSVDFQRT WKEYKVGFGNPSGEYWLGNFVSQLTNQQRVYVLIHLKDWEGNEAYSLYEH FYLSSSEELNYRIHLKGLTG TAGKISSISQPGNDFSTKDGDNDKCICKCSQMLTG GWWFDACGPSNLNGMYYPQRQNTNKFNGIKWYYWKSGSYSLK
Research Area	Cardiovascular
Source	Yeast
Target Names	ANGPT2
Protein Names	Recommended name: Angiopoietin-2 Short name= ANG-2
Expression Region	19-485aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	55.7kDa
Protein Length	Partial



Image



(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.