Recombinant Mouse Angiopoietin-2 (Angpt2)

Product Code	CSB-BP001707MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O35608
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	YS NFRKSVDSTG RRQYQVQNGP CSYTFLLPET DSCRSSSSPY MSNAVQRDAP LDYDDSVQRL QVLENILENN TQWLMKLENY IQDNMKKEMV EIQQNVVQNQ TAVMIEIGTS LLNQTAAQTR KLTDVEAQVL NQTTRLELQL LQHSISTNKL EKQILDQTSE INKLQNKNSF LEQKVLDMEG KHSEQLQSMK EQKDELQVLV SKQSSVIDEL EKKLVTATVN NSLLQKQQHD LMETVNSLLT MMSSPNSKSS VAIRKEEQTT FRDCAEIFKS GLTTSGIYTL TFPNSTEEIK AYCDMDVGGG GWTVIQHRED GSVDFQRTWK EYKEGFGSPL GEYWLGNEFV SQLTGQHRYV LKIQLKDWEG NEAHSLYDHF YLAGEESNYR IHLTGLTGTA GKISSISQPG SDFSTKDSDN DKCICKCSQM LSGGWWFDAC GPSNLNGQYY PQKQNTNKFN GIKWYYWKGS GYSLKATTMM IRPADF
Source	Baculovirus
Target Names	Angpt2
Protein Names	Recommended name: Angiopoietin-2 Short name= ANG-2
Expression Region	19-496
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
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.