



Recombinant Bovine Angiopoietin-1 (ANGPT1)

Product Code	CSB-EP001706BO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O18920
Product Type	Recombinant Protein
Immunogen Species	Bos taurus (Bovine)
Purity	≥85% (SDS-PAGE)
Sequence	HIGCS NQRRSPENGG RRYNRIQHGG CAYTFILPEH DGNCRESTTD QYNTNALQRD APHVEQDFSS QKLQHLEHVM ENYTQWLQKI ENYIVENMKS EMAQIQQNAV QNHTATMLEI GTSLLSQTAE QTRKLTDVET QVLNQTSRLE IQLLENSLST YKLEKQLLQQ TNEILKIHEK NSLLEHKIFE MEGKHKEELD TLKEEKENLQ GLVTRQTYII QELEKQLNRA TTNNSVLQKQ QLELMDTVHN LVNLCTKEVL LKGGKKEEEK PFRDCADVYQ AGFNKSGIYT IYINNMPEPK KVFCNMDLNG GGWTVIQHRE DGSLDFQRGW KEYKMGFGNP SGEYWLGNF IFAITSQRQY TLRIELLDWE GNRAYSQYDR FHIGNEKQNY RLYLKGHTGT AGKQSSLILH GADFSTKAD NDNCMCKCAL MLTGGWWFDA CGPSNLNGMF YTAGQNHGKL NGIKWHYFKG PSYSLRSTTM MIRPLDF
Source	E.coli
Target Names	ANGPT1
Protein Names	Recommended name: Angiopoietin-1 Short name= ANG-1
Expression Region	16-497
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	Angiopoietins are proteins with important roles in vascular development and angiogenesis. All angiopoietins bind with similar affinity to an endothelial cell-specific tyrosine-protein kinase receptor. This protein is a secreted glycoprotein that activates the receptor by inducing its tyrosine phosphorylation. It plays a critical role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme. The protein also contributes to blood vessel maturation and stability, and may be involved in early development of the heart.
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.