

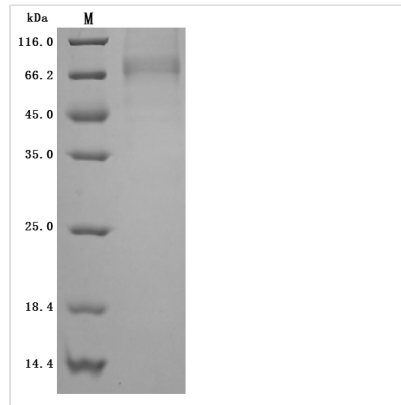


Recombinant Human Angiopoietin-2 (ANGPT2) (Active)

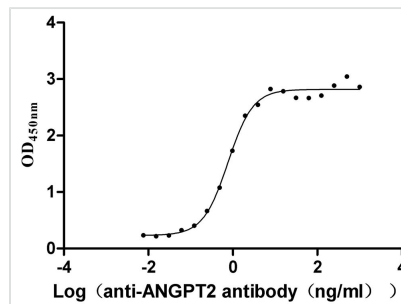
Product Code	CSB-MP001707HU(A4)
Abbreviation	Recombinant Human ANGPT2 protein (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	O15123
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 μm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human ANGPT2 at 2 μg/mL can bind anti-ANGPT2 recombinant antibody(CSB-RA001707MA01HU), the EC ₅₀ is 0.6666-0.8876 ng/mL.
Purity	≥ 90% as determined by SDS-PAGE. ≥ 90% as determined by SEC-HPLC.
Sequence	YNNFRKSMDSIGKKQYQVQHGSCSYTFLLPEMDNCRSSSSPYVSNVAVQRDA PLEYDDSVQRLQVLENIMENNTQWLMKLENYIQDNMCKEMVEIQQNAVQNQT AVMIEIGTNLLNQTAEQTRKLT DVEAQVLNQTTTRLELQLEHSLSTNKLEKQILD QTSEINKLQDKNSFLEKKVLAMEDKHIIQLQSIKEEKDQLQVLVSKQNSIIIELEK KIVTATVNNSVLQKQHDLMETVNNLLTMMSTSN SAKDPTVAKEEQISFRDCA EVFKSGHTTNGIYTLTFPNSTEEIKAYCDMEAGGGGWTTIIQRREDGSVDFQRT WKEYKVGFGNPSGEYWLGNFVSQLTNQQRYVLKIHLKDWEGNEAYSLEYH FYLSSEELNYRIHLKGLTG TAGKISSISQPGNDFSTKDGDNKCKICKCSQMLTG GWWFDACGPSNLNGMYYPQRQNTNKFNGIKWYYWKGSGYSLKATTMMIRP ADF
Source	Mammalian cell
Target Names	ANGPT2
Expression Region	19-496aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 10xHis-tagged
Mol. Weight	56.3 kDa
Protein Length	Full Length of Mature Protein



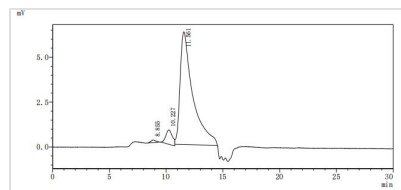
Image



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



Activity
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The purity of ANGPT2 was greater than 90% as determined by SEC-HPLC

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

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.