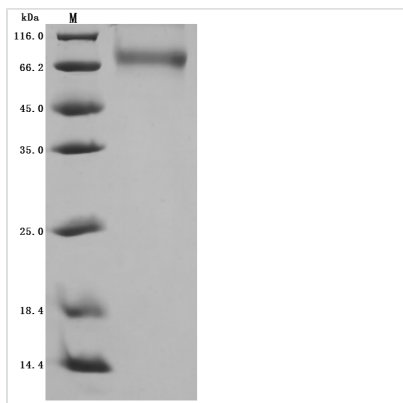


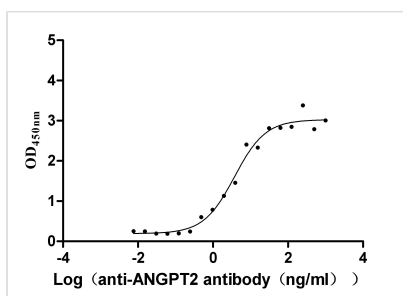


# Recombinant Dog Angiopoietin-2 (ANGPT2) (Active)

<b>Product Code</b>	CSB-MP001707DO
<b>Abbreviation</b>	Recombinant Dog ANGPT2 protein (Active)
<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>	A0A8J8
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 μm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Canis lupus familiaris (Dog) (Canis familiaris)
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized Dog ANGPT2 at 2 μg/mL can bind anti-ANGPT2 recombinant antibody (CSB-RA001707MA01HU), the EC <sub>50</sub> is 2.836-4.992 ng/mL.
<b>Purity</b>	Greater than 95% as determined by SDS-PAGE.
<b>Sequence</b>	YNNFRRSMDSIGRRQYQVQHGGSCSYTFLLPETDNCRSPGSYVPNAVQRDAPL DYDDSVQRLQVLENIMENNTQWLIKLENYIQDNMCKEMVEMQQNAVQNQTAV MIEIGTNLLNQTAEQTRKLTDEAQLVNLQTTRELLQLLEHSLSTNKLEKQILDQT SEINKLQDKNSFLEKKVLDMEDKHIVQLRSIKEEKDQLQVLVSKQNSIIEELEKQ LVTATVNSVLQKQHQHDLMETVHSLTMTISPSKSPKDTFVAKKEEQIYRDCAEV FKSGLTTNGIYTLTFPNSTEEIKAYCDMETSGGGWTVIQRREDGSVDFQRTWK EYKVGFGNPSGEHWLGNEFVFQVTNQQPYVLKIHLKDWEGNEAYSLEYEHFYL SGEELNYRIHLKGLTGTAGKISSISQPGNDFSTKADNDKCICKCSQMLTGGW WFDACGPSNLNGMYYPQRQNTNKFNGIKWYYWKGSGYSLKGTTMMIRPADF
<b>Source</b>	Mammalian cell
<b>Target Names</b>	ANGPT2
<b>Expression Region</b>	19-495aa
<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>	C-terminal 6xHis-tagged
<b>Mol. Weight</b>	57.2 kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>Image</b>	



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



**Activity**  
 Measured by its binding ability in a functional ELISA. Immobilized Dog ANGPT2 at 2 µg/ml can bind anti-ANGPT2 recombinant antibody (CSB-RA001707MA01HU), the EC<sub>50</sub> is 2.836-4.992 ng/mL.

### 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.