



# Recombinant Rat Angiopoietin-1 (Angpt1)

<b>Product Code</b>	CSB-MP001706RA
<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>	O35460
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SNQRRSPENGGRRYRNRIQHGCCAYTFILPEHDGNCRESATEQYNTNALQRDA PHVETDFSSQKLQHLEHVMENYTQWLQKLENYIVENMKSEMAQIQQNAVQNH TATMLEIGTSLLSQTAEQTRKLTVDVETQVLNQTSLRLEIQLLNSLSTYELEKQLL QQTNEILKIQEKNSLLEHKILEMEGKHKEELDTLKEEKENLQGLVTRQTFIIQELE KQLSRATSNNSVLQKQQLLELMDTVHNLVSLCTKEVLLKGGKREEEKPF RDCA DVYQAGFNKSGIYTIYFNNMPEPKKVF CNMDVNEGGWTVIQHREDGSLDFQR GWKEYKMGFGNPSGEYWLGNFIFAITSQRQYMLRIELMDWEGNRAYSQYD RFHIGNQKQNYRLYLKGHTGTAGKQSSILH GADFSTKDADNDNCMCKCALM LTGGWWFDACGPSNLNGMFYTAGQNHGKLNGLKWHYFKGPSYSLRSTTMMI RPLDF
<b>Research Area</b>	Others
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Angpt1
<b>Protein Names</b>	Recommended name: Angiopoietin-1 Short name= ANG-1
<b>Expression Region</b>	20-497aa
<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>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.

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