



# Recombinant Pig Angiopoietin-related protein 4 (ANGPTL4)

<b>Product Code</b>	CSB-EP652704PI-B
<b>Abbreviation</b>	ANGPTL4
<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>	Q2TNK5
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Sus scrofa (Pig)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	QGSPEPP EAPRFASWDE VNVLAHGLLQ LGRGLREHVE RTRGQLGALE RRLSACGAAC KDPEGSVPP LTAGNLVPSQ SDAAPETLHS LQTQLKAQNS KIQLFQKVA QQRHLEKQH LRIQNLQGQL DHLAPMHLGH GVAKAARRKR LPKMTQPAGP AHNISRLHRL PRDCQELFEE GERQSGLFQI QPQGSPFLV NCKMTSDGGW TVIQRQDGS VDFNQPWEAY KDGFGDPKGE FWLGLEKVHR IMGDRGSRLA VQLQDWEGNA ESLQFPVHLG GEDTAYSLQL TAPVASKLGA TIDTPSGLSL PFSTWDQDHD LRGDKNCAKI LSGGWVFGTC SHSNLNGQYF HSIPRQREQR KKGIFWKTWR GRYYPLQATT MLIQPTVAEA AS
<b>Source</b>	E.coli
<b>Target Names</b>	ANGPTL4
<b>Protein Names</b>	Recommended name: Angiopoietin-related protein 4 Alternative name(s): Angiopoietin-like protein 4
<b>Expression Region</b>	24-412
<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>	This gene is a member of the angiopoietin/angiopoietin-like gene family and encodes a glycosylated, secreted protein with a fibrinogen C-terminal domain. This gene is induced under hypoxic conditions in endothelial cells and is the target of peroxisome proliferation activators. The encoded protein is a serum hormone directly involved in regulating glucose homeostasis, lipid metabolism, and insulin sensitivity and also acts as an apoptosis survival factor for vascular endothelial cells. The encoded protein may play a role in several cancers and it also has been shown to prevent the metastatic process by inhibiting vascular activity as well as tumor cell motility and invasiveness. Decreased expression of



this protein has been associated with type 2 diabetes. Alternatively spliced transcript variants encoding different isoforms have been described. This gene was previously referred to as ANGPTL2 but has been renamed ANGPTL4.

---

**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.