

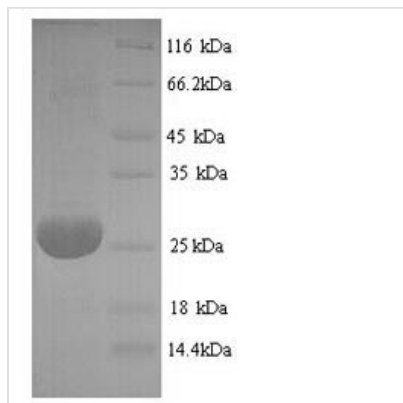


# Recombinant Bovine Adiponectin (ADIPOQ)

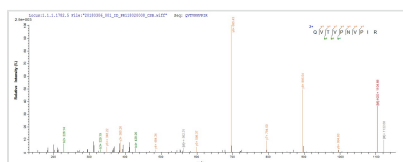
<b>Product Code</b>	CSB-YP661101BO
<b>Relevance</b>	Important adipokine involved in the control of fat metabolism and insulin sensitivity, with direct anti-diabetic, anti-atherogenic and anti-inflammatory activities. Stimulates AMPK phosphorylation and activation in the liver and the skeletal muscle, enhancing glucose utilization and fatty-acid combustion. Antagonizes TNF-alpha by negatively regulating its expression in various tissues such as liver and macrophages, and also by counteracting its effects. Inhibits endothelial NF-kappa-B signaling through a cAMP-dependent pathway. May play a role in cell growth, angiogenesis and tissue remodeling by binding and sequestering various growth factors with distinct binding affinities, depending on the type of complex, LMW, MMW or HMW .
<b>Abbreviation</b>	Recombinant Bovine ADIPOQ protein
<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>	Q3Y5Z3
<b>Alias</b>	30 kDa adipocyte complement-related protein;Adipocyte complement-related 30 kDa protein ;ACRP30Adipocyte, C1q and collagen domain-containing protein;Adipose most abundant gene transcript 1 protein ;apM-1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Bos taurus (Bovine)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	EDNMEDPPLPKGACAGWMAGIPGHPGHNGTPGRDGRDGTGPGEKGEKGDGPGLVGPKGDTGETGITGIEGPRGFPGTPGRKGEPGESAYVYRSAFSVGLERQVTVPNVPIRFTKIFYNQNHYDGTGKFLCNIPGLYYFSYHITVYLKDVKVSPLYKNDKALLFTHDQFQDKNVDQASGSVLLYLEKGDQVWLQVYEGENHNGVYADNVNDSTFTGFLLYHNIVE
<b>Research Area</b>	Others
<b>Source</b>	Yeast
<b>Target Names</b>	ADIPOQ
<b>Protein Names</b>	Recommended name: Adiponectin Alternative name(s): 30 kDa adipocyte complement-related protein Adipocyte complement-related 30 kDa protein Short name= ACRP30 Adipocyte, C1q and collagen domain-containing protein Adipose most abu
<b>Expression Region</b>	18-240aa
<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>	N-terminal 6xHis-tagged



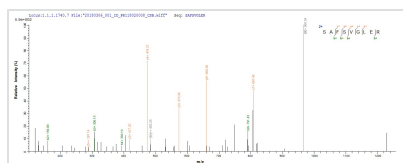
<b>Mol. Weight</b>	26.4kDa
<b>Protein Length</b>	Full Length of Mature Protein

**Image**


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



Based on the SEQUEST from database of Yeast host and target protein, the LC-MS/MS Analysis result of CSB-YP661101BO could indicate that this peptide derived from Yeast-expressed *Bos taurus* (Bovine) ADIPOQ.



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**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.