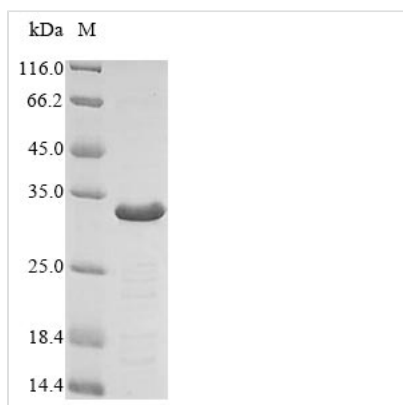


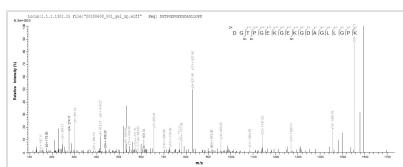


# Recombinant Mouse Adiponectin (Adipoq)

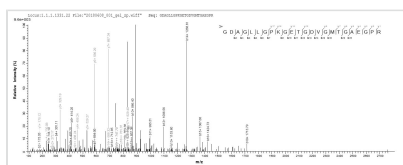
<b>Product Code</b>	CSB-EP723362MO
<b>Relevance</b>	Important adipokine involved in the control of fat metabolism and insulin sensitivity, with direct anti-diabetic, anti-atherogenic and anti-inflammatory activities. Stimulates AMPK phosphorylation and activation in the liver and the skeletal muscle, 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>	Adipoq
<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>	Q60994
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Sequence</b>	EDDVTTTEELAPALVPPPKGTCAGWMAGIPGHPGHNGTPGRDGRDGTGPGEK GEKGDAGLLGPKGETGDVGMTGAEGPRGFPPTGPRKGEPEGAAAYVYRSAFE VGLETRVTVPNVPIRFTKIFYNQNHQYDYGSTGKFCYCNIPGLYYFSYHITVYMKD VKVSLFKKDKAVLFTYDQYQEKNVDAQSGSVLLHLEVGDQVWLQVYGDGDH NGLYADNVNDSTFTGFLLYHDTN
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	Adipoq
<b>Protein Names</b>	30KDA adipocyte complement-related protein;Adipocyte complement-related 30KDA protein ;ACRP30Adipocyte, C1q and collagen domain-containing protein;Adipocyte-specific protein AdipoQ
<b>Expression Region</b>	18-247aa
<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>	28.9 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.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP723362MO could indicate that this peptide derived from E.coli-expressed Mus musculus (Mouse) Adipoq.



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## Description

Our Recombinant Mouse Adipoq protein, expertly designed for researchers focused on metabolism and adipose tissue biology. This protein features adiponectin, a multifunctional 30 kDa adipocyte complement-related protein involved in regulating glucose levels and fatty acid breakdown, with a significant role in various metabolic processes and obesity-related disorders.

Produced in an E. coli expression system, the Mouse Adipoq protein encompasses the full length of the mature protein with an expression range of 18-247aa. The N-terminal 6xHis-tag ensures efficient purification and detection techniques, streamlining your research process. With a purity greater than 85% as determined by SDS-PAGE, our recombinant protein is available in both liquid and lyophilized powder forms, catering to different experimental requirements.

Trust our precision-crafted Recombinant Mouse Adipoq protein to deliver consistent and reliable results for your metabolism and adipose tissue research projects.

## 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.