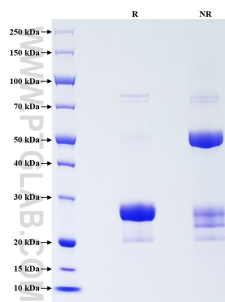


Recombinant Rat Adiponectin protein (His Tag)

Catalog Number: Eg0872

Basic Information	Species: Rat	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: CHO-derived Rat Adiponectin protein Ile19-Asn244 (Accession# Q8K3R4) with a His tag at the C-terminus.</p> <p>GeneID: 246253</p> <p>Accession: Q8K3R4</p> <p>Predicted Molecular Mass: 25.2 kDa</p> <p>SDS-PAGE: 25-29 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>Adiponectin, also known as Acrp30, AdipoQ, and GBP28, is an adipocyte-secreted protein that circulates in high concentrations in the serum and acts to increase insulin sensitivity. Adiponectin modulates a number of metabolic processes, including glucose regulation and fatty acid oxidation. The serum concentration of adiponectin decreases in obese patients, opposite to other adipocytokines. In recent studies, serum adiponectin level progressively decreased in patients according to the severity of obesity, insulin resistance, diabetes mellitus and cardiovascular diseases. Low serum adiponectin level may be a predictive factor for type 2 diabetes mellitus (T2DM) and other cardiovascular diseases.</p>		
References	<ol style="list-style-type: none"> 1. Wang ZV, et al. (2016) J Mol Cell Biol. 8(2):93-100. 2. Liu M, et al. (2014) Best Pract Res Clin Endocrinol Metab. 28(1):25-31. 3. Díez JJ, et al. (2003) Eur J Endocrinol. 148(3):293-300. 4. Yamauchi T, et al. (2003) Nature. 423(6941):762-9. 		
Synonyms	Adipoq, Acdc, Acrp30, Adiponectin		

Selected Validation Data



Purity of Recombinant Rat Adiponectin was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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