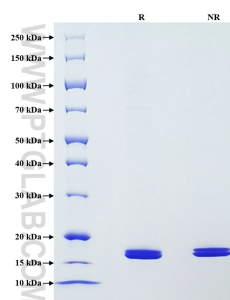


# Recombinant Mouse Chemerin protein (His Tag)

Catalog Number: Eg0875

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	<p><b>Purity:</b> &gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b> &lt;0.1 EU/ µg protein, LAL method</p> <p><b>Source:</b> HEK293-derived Mouse Chemerin protein Glu21-Ser156 (Accession# Q9DD06) with a His tag at the C-terminus.</p> <p><b>GeneID:</b> 71660</p> <p><b>Accession:</b> Q9DD06</p> <p><b>Predicted Molecular Mass:</b> 16.6 kDa</p> <p><b>SDS-PAGE:</b> 16-17 kDa, reducing (R) conditions</p> <p><b>Formulation:</b> 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><b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <p><b>Shipping:</b> 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>Chemerin, also named as TIG2 and RARRES2, is adipocyte-secreted protein (adipokine) that regulates adipogenesis, metabolism and inflammation through activation of the chemokine-like receptor 1 (CMKLR1). Its other ligands include G protein-coupled receptor 1 (GPR1) and chemokine receptor-like 2 (CCRL2). It positively regulates adipocyte differentiation, modulates the expression of adipocyte genes involved in lipid and glucose metabolism and might play a role in angiogenesis, a process essential for the expansion of white adipose tissue. Chemerin have both pro- and anti-inflammatory properties depending on the modality of enzymatic cleavage by different classes of proteases.</p>		
References	<ol style="list-style-type: none"><li>1. Helfer G, et al. (2018) J Endocrinol.238(2):R79-R94.</li><li>2. De Henau O, et al. (2016) PLoS One.11(10):e0164179.</li><li>3. Treeck O, et al. (2019) Int J Mol Sci.20(15):3750.</li><li>4. Su X, et al. (2021) Clin Chim Acta.517:41-47.</li></ol>		
Synonyms	Rarres2, AI303516, Retinoic acid receptor responder protein 2		

## Selected Validation Data



Purity of Recombinant Mouse Chemerin 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.