

## Chemerin/RARRES2 Protein, Mouse (HEK293, Fc)

<b>Cat. No.:</b>	HY-P75553
<b>Synonyms:</b>	Retinoic acid receptor responder protein 2; Chemerin; Rarres2
<b>Species:</b>	Mouse
<b>Source:</b>	HEK293
<b>Accession:</b>	NP_082128.1 (T17-S156)
<b>Gene ID:</b>	71660
<b>Molecular Weight:</b>	Approximately 42.6 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> T R G T E P E L S E   T Q R R S L Q V A L   E E F H K H P P V Q   L A F Q E I G V D R A E E V L F S A G T   F V R L E F K L Q Q   T N C P K K D W K K   P E C T I K P N G R R R K C L A C I K M   D P K G K I L G R I   V H C P I L K Q G P   Q D P Q E L Q C I K I A Q A G E D P H G   Y F L P G Q F A F S           </pre>
<b>Biological Activity</b>	Measured in a cell proliferation assay using HUVEC cells. The ED50 for this effect is 8.674 ng/mL, corresponding to a specific activity is 1.15×10 <sup>5</sup> units/mg.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	The Chemerin/RARRES2 protein is predicted to possess signaling receptor binding activity and is involved in various processes, including positive regulation of fat cell differentiation, positive regulation of protein phosphorylation, and regulation of insulin receptor signaling pathway. It acts upstream of or within brown fat cell differentiation and is located in the extracellular region. Chemerin/RARRES2 is expressed in the genitourinary system and retina and shares orthology with human RARRES2 (retinoic acid receptor responder 2). Biased expression of Chemerin/RARRES2 is observed in adult liver
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(RPKM 313.8), placenta (RPKM 166.0), and 12 other tissues, according to the Alliance of Genome Resources in April 2022.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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