

Recombinant Human Chemerin/RARRES2 Protein

Catalog No.: RP01808 **Recombinant**

Sequence Information

Species Human **Gene ID** 5919 **Swiss Prot** Q99969

Tags
C-hFc

Synonyms
TIG2; HP10433;RARRES2

Background

Retinoic acid receptor responder protein 2 (RARRES2) is a small secreted protein involved in multiple cancers, including adrenocortical carcinoma (ACC). Serum RARRES2 may be used as a novel prognostic marker for ACC. Retinoic acid receptor responder 2 (RARRES2) is transcriptionally downregulated in multiple cancer types. Previous studies suggested that it can serve as an immune-dependent tumor suppressor by acting as a chemoattractant to recruit anticancer immune cells expressing its receptor, the chemerin chemokine receptor 1 (CMKLR1), to sites of tumor. Mechanistically, RARRES2 overexpression in ACC cells inhibited Wnt/beta-catenin pathway activity by promoting beta-catenin phosphorylation and degradation, it also inhibited the phosphorylation of p38 mitogen-activated protein kinase. Thus RARRES2 is a novel tumor suppressor for ACC, which can function through an immune-independent mechanism.

Product Information

Source HEK293 cells **Purification** $\geq 95\%$ as determined by SDS-PAGE.

Calculated MW 41.84 kDa **Observed MW** 45-55 kDa

Endotoxin
< 0.01 EU/ μ g of the protein by LAL method

Formulation
Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze/thaw cycles.

Basic Information

Description

Recombinant Human Chemerin/RARRES2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu21-Ser157) of human RARRES2/TIG2 (Accession #) fused with hFc tag at the C-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

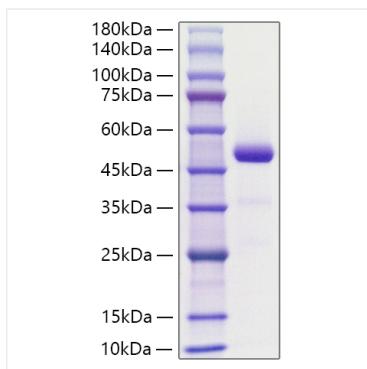
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human Chemerin/RARRES2
Protein was determined by SDS-PAGE under
reducing conditions with Coomassie Blue.