RP01808

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Recombinant Human Chemerin/RARRES2 Protein

Catalog No.: RP01808 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	5919	Q99969

Tags
C-hFC

Synonyms
TIG2; HP10433;RARRES2

Product Information

Source
HEK293 cells

Purification
> 95% by SDS-PAGE.

Endotoxin
< 0.01EU/μg

Formulation
Lyophilized from a 0.22 μm 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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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.

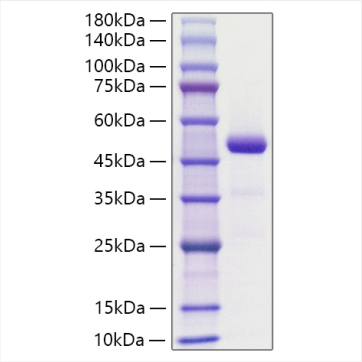
Basic Information

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

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

Validation Data



Recombinant Human RARRES2/TIG2 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 45-60 kDa.