Recombinant Human Chemerin/RARRES2 Protein

Catalog No.: RP01808

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Sequence Information

Species
Human

Gene ID
5919

Swiss Prot
Q99969

Tags
C-hFC

Synonyms
TIG2; HP10433;RARRES2

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
41.84 kDa

Observed MW
45-55 kDa

Endotoxin
< 0.01 EU/μg of the protein by LAL method

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.

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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

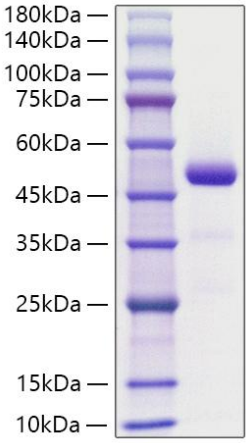
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

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Validation Data



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