

Recombinant Mouse Chemerin/RARRES2 Protein

Catalog No.: RP02809

Sequence Information

Species	Gene ID
Mouse	71660
Swiss Prot	Tags
Q9DD06	C-His

Synonyms

0610007L05Rik; AI303516;
RARRES2

Product Information

Source	Purification
HEK293 cells	≥ 90 % as determined by SDS-PAGE.

Calculated MW Observed MW

17.4 kDa 18–20 kDa

Endotoxin

< 1 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 stabilizer
(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 Mouse Chemerin/RARRES2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu21–Ser156) of mouse Chemerin/RARRES2 (Accession #NP_082128.1) fused with a 6×His 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°C

Operational Notes

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

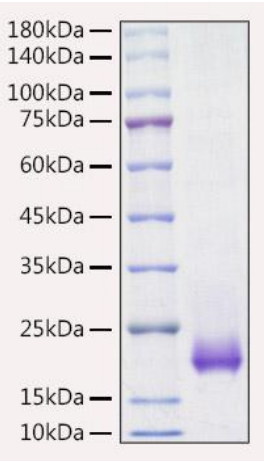
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Validation Data



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