

Recombinant human Chemerin protein

Catalog Number: ATGP3855

PRODUCT INFORMATION

Expression system

HEK293

Domain

21-157aa

UniProt No.

Q99969

NCBI Accession No.

NP_002880.1

Alternative Names

Retinoic acid receptor responder protein 2, RARRES2, HP10433, TIG2

PRODUCT SPECIFICATION

Molecular Weight

16.6 kDa (143aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Chemerin, also known as retinoic acid receptor responder protein 2 (RARRES2), is a distant member of the Cystatin superfamily. It is involved in multiple cancers, including adrenocortical carcinoma (ACC). This protein in serum is transcriptionally downregulated in multiple cancer types. On the other hands, overexpression of this protein inhibits Wnt/beta-catenin pathway activity by promoting beta-catenin phosphorylation and degradation.

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Also, it has been implicated in autocrine/paracrine signaling for adipocyte differentiation and also stimulation of lipolysis. It was found to stimulate chemotaxis of dendritic cells and macrophages to the site of inflammation. Recombinant human Chemerin protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ELTEAQRRLGL QVALEEFHKH PPVQWAFQET SVESAVDTPF PAGIFVRLEF KLQQTSCRKR DWKKPECKVR PNGRKRKCLA
CIKLGSEDKV LGRLVHCPIE TQVLREAEEH QETQCLRVQR AGEDPHSFYF PGQFAFS<HHH HHH>

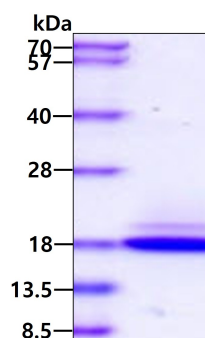
General References

Reverchon M., et al, (2014) Biol Reprod. 90:102.

Liu-Chittenden Y., et al, (2016) J Clin Endocrinol Metab. 101(9):3345-3352.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain