

# Recombinant human Chemerin protein

Catalog Number: ATGP3855

## PRODUCT INFORMATION

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### 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

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### 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

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### 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

ELTEAQRRLG QVALEEFHKH PPVQWAFQET SVESAVDTPF PAGIFVRLFEF KLQQTSCRKR DWKKPECKVR PNGRKRKCLA  
CIKLGSEDKV LGRLVHCPPIE TQVLREAEEH QETQCLRVQR AGEDPHSFYF PGQFAFS<HHH HHH>

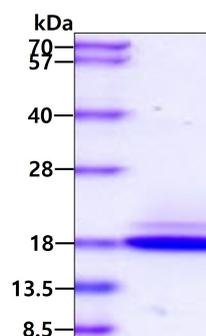
### General References

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