antibodies

# Datasheet for ABIN5711723 Chemerin Protein (AA 21-157) (His-SUMO Tag)



Image

Overview

Quantity:	100 µg
Target:	Chemerin (RARRES2)
Protein Characteristics:	AA 21-157
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Chemerin protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	ELTEAQRRGL QVALEEFHKH PPVQWAFQET SVESAVDTPF PAGIFVRLEF KLQQTSCRKR
	DWKKPECKVR PNGRKRKCLA CIKLGSEDKV LGRLVHCPIE TQVLREAEEH QETQCLRVQR
	AGEDPHSFYF PGQFAFS
Purification:	SDS-PAGE
Purity:	> 90 %

## Target Details

Target:	Chemerin (RARRES2)
Alternative Name:	RARR2 (RARRES2 Products)
Background:	Adipocyte-secreted protein (adipokine) that regulates adipogenesis, metabolism and

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN5711723 | 09/10/2023 | Copyright antibodies-online. All rights reserved. include G protein-coupled receptor 1 (GPR1) and chokine receptor-like 2 (CCRL2). Positively regulates adipocyte differentiation, modulates the expression of adipocyte genes involved in lipid and glucose metabolism and might play a role in angiogenesis, a process essential for the expansion of white adipose tissue. Also acts as a proinflammatory adipokine, causing an increase in secretion of proinflammatory and prodiabetic adipokines, which further impair adipose tissue metabolic function and have negative systic effects including impaired insulin sensitivity, altered glucose and lipid metabolism, and a decrease in vascular function in other tissues. Can have both pro- and anti-inflammatory properties depending on the modality of enzymatic cleavage by different classes of proteases. Acts as a chotactic factor for leukocyte populations expressing CMKLR1, particularly immature plasmacytoid dendritic cells, but also immature myeloid DCs, macrophages and natural killer cells. Exerts an anti-inflammatory role by preventing TNF/TNFA-induced VCAM1 expression and monocytes adhesion in vascular endothelial cells. The effect is mediated via inhibiting activation of NF-kappa-B and CRK/p38 through stimulation of AKT1/NOS3 signaling and nitric oxide production. Its dual role in inflammation and metabolism might provide a link between chronic inflammation and obesity, as well as obesity-related disorders such as type 2 diabetes and cardiovascular disease. Exhibits an antimicrobial function in the skin

Molecular Weight:	31.87 kDa
UniProt:	Q99969
Pathways:	Brown Fat Cell Differentiation

#### Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

#### Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliguots at 4°C for up to one week.

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### SDS-PAGE

Image 1.

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