

Chemerin Human E. coli

Product Data Sheet

Type: Recombinant	Cat. No.:	
Source: E. coli	RBG10104005	(5 µg)
Species: Human	RBG10104025	(25 µg)
Other names: Tezarotene induced gene 2, TIG2, Retinoic acid receptor responder 2, RERRES2	RBG10104100	(100 µg)

Description

Chemerin is a secreted chemoattractant protein that can signal through the chemokine-like receptor-1 (CMKLR1). It is expressed in various tissues, including white adipose tissue, and circulates in blood as an inactive 143 amino acid precursor protein. Biologically active Chemerin is generated by proteolytic removal of C-terminal residues by several circulating proteases. Chemerin acts as a chemoattractant for cells expressing the CMKLR1 receptor, which includes certain dendritic cells, macrophages, and adipocytes. Recombinant Human Chemerin is a 15.6 kDa protein consisting of 135 amino acid residues.

Research topic

Animal studies, Energy metabolism and body weight regulation

Amino Acid Sequence

ELTEAQRRGL QVALEEFHKH PPVQWAFQET SVESAVDTPF PAGIFVRLRF KLQQTSCRKR DWKKPECKVR PNGRKRKCLA
CIKLGSEDKV LGRLVHCPIE TQVLREAEH QETQCLRVQR AGEDPHSFYF PGQFA

Source

E. coli

Purity

98%

Biological Activity

Determined by its ability to chemoattract human immature dendritic cells using a concentration range of 1.0-100.0 ng/ml.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C

Storage, Stability/Shelf Life

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