

Recombinant Human Chemerin

CATALOG #:	4002-25	25 µg
	4002-100	100 µg
	4002-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	> 98% by SDS-PAGE and HPLC analyses Endotoxin level is < 0.01 ng per µg rh-Chemerin	
MOLECULAR WT:	16 kDa	
FORM:	Lyophilized from 0.2% TFA.	

RECONSTITUTION:

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water to a concentration of 0.1mg/ml, which can be further diluted into other aqueous solutions.

STORAGE CONDITIONS:

The lyophilized human Chemerin is very stable at -20 °C. Upon reconstitution the material should be aliquoted and frozen at -20 °C. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

DESCRIPTION:

Chemerin is a chemoattractant expressed in white adipose, liver and lung tissues. Chemerin is a ligand for the G-protein coupled receptor known as ChemR23 (or chemokine-like receptor-1), which is expressed mainly on dendritic cells, macrophages and some adipocytes. Recombinant human Chemerin, produced in *E.coli*, is a non-glycosylated protein containing 138 amino acids and having a total molecular mass of 16 kDa.

Biological Activity:

Recombinant human Chemerin has full biological activity when compared standards. The ED₅₀, as determined by its ability to chemoattract human Chem23R transfected BaF3 mouse pro-B cells, is typically 4-20 ng/mL.

Amino Acid Sequence:

MELTEAQRRLG LQVALEEFHK HPPVQWAFQE TSVESAAVDTP FPAGIFVRL EFKLQQTSRK
RDWKKPECKV RPNGRKRKCL ACIKLGSEDK VLGRLVHCPI ETQVLREAAE HQETQCLRVQ
RAGEDPHSFY FPGQFAFS

FOR RESEARCH USE ONLY! Not to be used on humans.

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