9051 Mira Mesa Blvd, #910094
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I 309 Human

I-309 Human Recombinant (CCL1)
CHK0068

Product Overview

Name	I 309 Human
Description	
I-309 Human Recombinant (CCL1)	
Accession (Primary)	P22362
Synonyms	
Small inducible cytokine A1, CCL1, T lymphocyte-secreted protein I-309, chemokine (C-C motif) ligand 1, P500, SISe, TCA3, I-309, SCYA1.	
Introduction	
Chemokine (C-C motif) ligand 1 (CCL1) is a small glycoprotein secreted by activated T cells that belongs to a family inflammatory cytokines known as chemokines. CCL1 attracts monocytes, NK cells, and immature B cells and dendritic cells by interacting with a cell surface chemokine receptor called CCR8. This chemokine resides in a large cluster of CC chemokines on human chromosome 17.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The CCL1 protein was lyophilized with no additives.	
Stability	
Lyophilized I-309 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 99.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
The sequence of the first five N-terminal amino acids was determined and was found to be Ser-Lys-Ser-Met-Gln.	
Biological Activity	
The Biological activity is calculated by its ability to chemoattract human T cells at 10-100ng/ml corresponding to a	

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Specific Activity of 10,000-100,000IU/mg.

Solubility

It is recommended to reconstitute the lyophilized I-309 in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

I 309 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P22362)