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## Product Data Sheet

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Product Name: I 309 Human  
Cat. No.: GP21125  
Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Small inducible cytokine A1; CCL1; T lymphocyte-secreted protein I-309; chemokine (C-C motif) ligand 1; P500; SISE; TCA3; I-309; SCYA1.		
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.		
Solubility	It is recommended to reconstitute the lyophilized I-309 in sterile 18MΩ-cm H <sub>2</sub> O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The CCL1 protein was lyophilized with no additives.		

### 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.

### Biological Activity

The Biological activity is calculated by its ability to chemoattract human T cells at 10-100ng/ml corresponding to a Specific Activity of 10,000-100,000IU/mg.

### 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

I-309 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 74 amino acids and having a molecular mass of 8504 Dalton. The I-309 is purified by proprietary chromatographic techniques.

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