

## I 309 Human

**Description:**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.

**Catalog #:**CHPS-319

For research use only.

**Synonyms:**Small inducible cytokine A1, CCL1, T lymphocyte-secreted protein I-309, chemokine (C-C motif) ligand 1, P500, SISE, TCA3, I-309, SCYA1.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered White lyophilized (freeze-dried) powder.

**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.

**Purity:**Greater than 99.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Solubility:**

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

**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.

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