

I-309/CCL1

Catalog # PVGS1463

Product Information

Primary Accession P22362-1
Species Human

Sequence Ser23-Lys96

Purity > 95% as analyzed by SDS-PAGE

Endotoxin Level

Biological Activity The EC₅₀ value of human I-309/CCL on Ca²⁺ mobilization assay in

CHO-K1/Gα15/hCCR8 cells (human Gα15 and human CCR8 stably expressed in

CHO-K1 cells) is less than 1.0 [g/ml.

Expression System E. coli

Theoretical Molecular Weight 8.6 kDa

Formulation Lyophilized after extensive dialysis against PBS.

Reconstitution It is recommended that this vial be briefly centrifuged prior to opening to

bring the contents to the bottom. Reconstitute the lyophilized powder in

ddH₂O or PBS up to 100 ☐g/ml.

Storage & Stability Upon receiving, this product remains stable for up to 6 months at lower than

-70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw

cycles.

Additional Information

Target Background Chemokine (C-C motif) ligand 1 (CCL1), also known as I-309, is a small

glycoprotein secreted by activated T cells that belongs to the family of chemokines. Human CCL1 has been assumed to be a homologue of mouse TCA3. While the two proteins share only approximately 42% amino acid sequence identity, both chemokines contain an extra pair of cysteine residues not found in most other chemokines. CCL1 attracts monocytes, NK cells, immature B cells and dendritic cells by interacting with the cell surface chemokine receptor CCR8. This chemokine resides in a large cluster of CC

chemokines on human chromosome 17.

Protein Information

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.