

Overview

| | |
|----------------------------|---|
| Synonyms | CCL1, TCA-3 |
| Description | <p>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.</p> <p>Recombinant Human I-309/CCL1 produced in <i>E.coli</i> is a single non-glycosylated polypeptide chain containing 74 amino acids. A fully biologically active molecule, rhI-309/CCL1 has a molecular mass of 8.5 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.</p> |
| Accession No | P14210 |
| Species | Human |
| Source | <i>E. coli</i> |
| Biological Activity | The EC ₅₀ value of human I-309/CCL on Ca ²⁺ mobilization assay in CHO-K1/G±15/hCCR8 cells (human G±15 and human CCR8 stably expressed in CHO-K1 cells) is less than 1 µg/ml. |
| Sequence | SKSMQVPFSR CCFSF AEQEI PLRAILCYRN TSSICSNEGL IFKLRGKEA CALDTVGVVQ RHRKMLRHCP SKRK |

Properties

| | |
|----------------------------------|--|
| Measured Molecular Weight | 8.5 kDa, observed by reducing SDS-PAGE. |
| Purity | > 95% as analyzed by SDS-PAGE. |
| Formulation | Lyophilized after extensive dialysis against PBS. |
| Reconstitution | Reconstituted in ddH ₂ O or PBS at 100 µg/ml. |
| Endotoxin Level | < 0.2 EU/µg, determined by LAL method. |
| Storage | Lyophilized recombinant human I-309/CCL1 remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, recombinant human I-309/CCL1 should be stable up to 1 week at 4°C or up to 2 months at -20°C. |
| Note | For research use only |

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura,
Delhi – 110034 (INDIA).

Mobile: +91-9810521400, Ph: +91-11-42208000

Email: customerservice@lifetechindia.com

Web: www.lifetechindia.com