

Overview

Synonyms	I-309, 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 CHO cells is a polypeptide chain containing 73 amino acids. A fully biologically active molecule, rhl-309/CCL1 has a molecular mass of 15kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.</p>
Accession No	P22362.1
Species	Human
Source	CHO
Biological Activity	The EC ₅₀ value of human I-309/CCL1 on Ca ²⁺ mobilization assay in CHO-K1/Gα15/hCCR8 cells (human Gα15 and human CCR8 stably expressed in CHO-K1 cells) is less than 1 µg/ml.
Sequence	KSMQVPFSRC CFSFAEQEIP LRAILCYRNT SSICSNEGLI FKLKRKGEAC ALDTVGVVQR HRKMLRHCPK KRK

Properties

Measured Molecular Weight	15 kDa, observed by reducing SDS-PAGE.
Purity	> 98% 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

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