Active Recombinant Human CCL1 Protein (73 aa)

Cat. No. CCL1-266C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human I-309/CCL1 produced in CHO cells is a polypeptide chain containing 73 amino acids. A fully biologically active molecule, rhI-309/CCL1 has a molecular mass of 15kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.
Species	Human
Source	CHO
ProteinLength	73
Description	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.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	The EC50 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

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	μg/mL.
Molecular Mass	15 kDa, observed by reducing SDS-PAGE.
AA Sequence	KSMQVPFSRCCFSFAEQEIPLRAILCYRNTSSICSNEGLIFKLKRGKEACALDTVGWV QRHRKMLRHCPSKRK
Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	> 98% as analyzed by SDS-PAGE.
Storage	Lyophilized recombinant Human I-309/CCL1 remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, recombinant human I-309/CCL1 should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH2O or PBS at 100 μg/mL.

GENE INFORMATION

Gene Name	CCL1 chemokine (C-C motif) ligand 1 [Homo sapiens]
Official Symbol	CCL1
Synonyms	CCL1; chemokine (C-C motif) ligand 1; SCYA1, small inducible cytokine A1 (I 309, homologous to mouse Tca 3); C-C motif chemokine 1; I 309; inflammatory cytokine I 309; P500; SISe; T lymphocyte secreted protein I 309; TCA3; inflammatory cytokine I-309; small-inducible cytokine A1; T lymphocyte-secreted protein I-309; small inducible cytokine A1 (I-309, homologous to mouse Tca-3); I-309; SCYA1;

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Gene ID	6346
mRNA Refseq	NM_002981
Protein Refseq	NP_002972
MIM	182281
UniProt ID	P22362

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