Public Protein/Plasmid Library

C-C motif chemokine 1 (CCL1), Human

Cat.no. PK0278

Product size: 10ug 50ug 1mg
Source: CHO
Species: Human

Biological Activity: The EC50 value of human I-309/CCL1 on Ca2+ mobilization assay in CHO-K1/ Ga15/hCCR8 cells (human Ga15 and human CCR8 stably expressed in CHO-K1 cells) is less than 1 μg/ml.

Molecular Weight: 15 kDa, observed by reducing SDS-PAGE.

Formulation: Lyophilized after extensive dialysis against PBS.

Reconstitution: Reconstituted in ddH_2O or PBS at 100 μg/ml.

Purity: > 98% by SDS-PAGE and HPLC analyses.

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.

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. Recombinant Human I-309/CCL1 produced in CHO cells is a polypeptide chain containing 73 amino acids.

Amino Acid Sequence:
00001 KSMQVPFSRC CFSFAEQEIP LRAILCYRNT SSICSNEGLI
00041 FKLKRGKEAC ALDTVGWVQR HRKMLRHCPS KRK

Synonyms: C-C motif chemokine 1, Small-inducible cytokine A1, T lymphocyte-secreted protein I-309, I309, CCL1, SCYA1

Note： For research use only, not for use in diagnostic procedure.