

Recombinant human CCL1/I-309 protein

Catalog Number: ATGP0947

PRODUCT INFORMATION

Expression system

E.coli

Domain

24-96aa

UniProt No.

P22362

NCBI Accession No.

NP_002972

Alternative Names

C-C motif chemokine 1, Chemokine (C-C motif) ligand 1, Small-inducible cytokine A1, T lymphocyte-secreted protein I-309, inflammatory cytokine I-309, I-309 homologous to mouse Tca-3, SCYA1, TCA3, P500, S1Se

PRODUCT SPECIFICATION

Molecular Weight

10.8 kDa (94aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 2mM DTT, 10% glycerol, 50mM NaCl

Purity

> 85% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CCL1 (chemokine C-C motif ligand 1) is a small glycoprotein secreted by activated T cells that belongs to a family inflammatory cytokines known as chemokines. CCL1 attracts monocytes, NK cells, and immature B cells and dendritic cells by interacting with a cell surface chemokine receptor called CCR8. unlike the other members

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of the C-C family, CCL1 does not induce chemotaxis in natural killer (NK) cells. Recombinant human CCL1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MKSMQVPFSR CCFSFAEQEI PLRAILCYRN TSSICSNEGL IFKLKRGKEA CALDTVGVVQ
RHRKMLRHCP SKRK

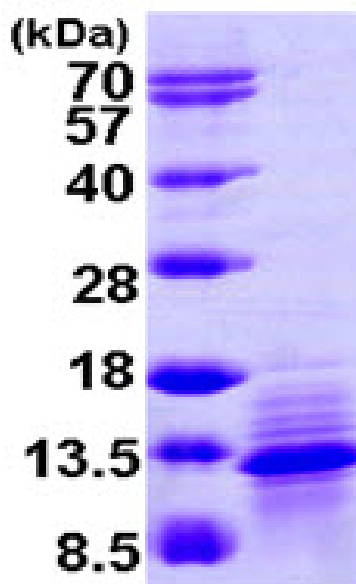
General References

Miller M.D., et al. (1992) Proc. Natl. Acad. Sci. u.S.A. 89:2950-2954

Roos RS, et al. (1997) J. Biol. Chem. 272(28): 17251-4.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)