

Recombinant Human CCL1, His-tagged

Cat. No. CCL1-168H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	24-96 aa
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 of the C-C family, CCL1 does not induce chemotaxis in natural killer (NK) cells.
Form	Liquid. In 20mM Tris-HCl buffer (pH 7.5) containing 2mM DTT, 10% glycerol, 50mM NaCl.
Molecular Weight	10.8 kDa (94aa) confirmed by MALDI-TOF.
Purity	> 85% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin Level	< 1.0 EU per 1 µg of protein (determined by LAL method).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MKSMQVPFSR CCFSFAEQEI PLRAILCYRN TSSICSNEGL IFKLKRGKEA CALDTVGVVQ RHRKMLRHCP SKRK.
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Pathways	Cytokine-cytokine receptor interaction

GENE INFORMATION

Gene Name	CCL1 chemokine (C-C motif) ligand 1
Synonyms	P500; SISE; TCA3; I-309; SCYA1; small inducible cytokine A1; inflammatory cytokine I-309; T lymphocyte-secreted protein I-309; small inducible cytokine A1 (I-309, homologous to mouse Tca-3); chemokine (C-C motif) ligand 1; CCL1
Gene ID	6346
mRNA Refseq	NM_002981
Protein Refseq	NP_002972
MIM	182281
UniProt ID	P22362
Chromosome Location	17q12

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Function

chemokine activity

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA