

## Recombinant Human I-309/CCL1 (rHuI-309/CCL1)

## **ChemWhat Technical Data Sheet (TDS)**

Source:Escherichia coli.Molecular Weight:Approximately 8.6 kDa, a single, non-glycosylated polypeptide chain containing 74 amino acids.Quantity:2\g/10\g/1000\gAA Sequence:SKSMQVPFSR CCFSFAEQEI PLRAILCYRN TSSICSNEGL IFKLKRGKEA CALDTVGWVQ RHRKMLRHCP SKRKPurity:>97% by SDS-PAGE and HPLC analyses.Biological Activity:Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human T-lymphocytes is in a concentration range of 10-100 ng/ml.Physical Appearance:Sterile Filtered White lyophilized (freeze-dried) powder.Formulation:Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 100 mM NaCl.Endotoxin:Less than 1 EU/µg of Hul-309/CCL1 as determined by LAL method.Reconstitution:We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 °C. Further dilutions should be made in appropriate buffered solutions. The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.Stability & Storage:Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70 °C under sterile conditions after reconstitution.Usage:ChemWhat Limited in UK offers this branded product for research, development or further evaluation purposes. NOT FOR HUMAN USE.	Catalog Number:	204-01
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## Human I-309/CCL1

Chemokine (C-C motif) ligand 1 (CCL1) belongs to a family inflammatory cytokines and also known as chemokines. It is a small glycoprotein secreted by activated T cells with a molecular weight of approximately 8.5 kDa. CCL1 attracts monocytes, NK cells, and immature B cells and dendritic cells by interacting with a cell surface chemokine receptor called CCR8. Human CCL1 has been assumed to be a homologue of the 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.

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