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## Product Data Sheet

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Product Name: CCL3L1 Human  
 Cat. No.: GP21077  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	C-C motif chemokine 3-like 1; G0/G1 switch regulatory protein 19-2; LD78-beta(1-70); PAT 464.2; Small-inducible cytokine A3-like 1; Tonsillar lymphocyte LD78 beta protein; CCL3L1; D17S1718; G0S19-2; SCYA3L1; LD78; 464.2; SCYA3L; LD78BETA; MGC12815.		
Amino Acid Sequence	APLAADTPTA CCFSYTSRQI PQNFIADYFE TSSQCSKPSV IFLTKRGRQV CADPSEEWVQ KYVSDLELSA.		
Solubility	It is recommended to reconstitute the lyophilized CCL3L1 in sterile 18M-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4.		

### Introduction

CCL3L1 is a small cytokine that belongs to the CC chemokines. The CCL3L1 gene is one of several cytokine genes clustered on the q-arm of chromosome 17. CCL3L1 is involved in immunoregulatory and inflammatory processes. CCL3L1 binds to several chemokine receptors including CCBP2 and CCR5. CCR5 is a co-receptor for HIV, and binding of the CCL3L1 protein to CCR5 inhibits HIV entry.

### Biological Activity

The biological activity was determined by its ability to chemoattract human monocytes using a concentration range of 1.0-10.0 ng/ml.

### Stability

Lyophilized CCL3L1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution CCL3L1 should be stored at 4°C between 2-

**Caution: Product has not been fully validated for medical applications. For research use only.**

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7 days and for future use below -18°C .For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Background

CCL3L1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 70 amino acids and having a molecular mass of 7.7kDa. The CCL3L1 is purified by proprietary chromatographic techniques.

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