CCL3L1
Recombinant Human LD78-beta/CCL3L1

Catalog No.	CRL600A	**Quantity:**	5 µg
	CRL600B		20 µg
	CRL600C		1 mg

Alternate Names: Macrophage Inflammatory Protein 1-alpha, CCL3, LD78-alpha, MIP1A, MIP-1-alpha, SCI, SCYA3, SIS-beta, TY5

Description: LD78-β/CCL3L1 is a CC chemokine that is closely related to MIP-1 α. It signals through the CCR5 receptor and the β-chemokine receptor, D6. LD78-β has been shown to exhibit potent activity in HIV suppression assays.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Gene ID: 6349

Source: *E. coli*

Molecular Weight: Approximately 7.7 kDa protein containing 70 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.

Purity: >97% by SDS-PAGE and HPLC analyses.

Endotoxin Level: Less than 1EU/µg of rHuLD78-β/CCL3L1 as determined by LAL method.

Biological Activity: Fully biologically active when compared to standard. The ED_{50} determined by a chemotaxis bioassay using human monocytes is less than 5 ng/ml, corresponding to a specific activity of $>2\times10^5$ IU/mg.

Amino Acid Sequence: APLAADTPTA CCFSYTSRQI PQNFIADYFE TSSQCSKPSV IFLTKRGRQV CADPSEEWVQ KYVSDLELSA

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.

Storage & Stability: This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2 -4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com