



Technical Data Sheet

Recombinant Human LD78-beta/CCL3L1 (rHuLD78-β/CCL3L1)

Human LD78-beta/CCL3L1

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.

Catalog Number:	RC315-14A
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 7.7 kDa protein containing 70 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.
Quantity:	5μg/20μg/1000μg
AA Sequence:	APLAADTPTA CCFSYTSRQI PQNFIADYFE TSSQCSKPSV IFLTKRGROV CADPSEEWVQ KYVSDLELSA
Purity:	>97% by SDS-PAGE and HPLC analyses.
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 >2×10 ⁵ IU/mg.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2μm filtered concentrated solution in PBS, pH 7.4.
Endotoxin:	Less than 1EU/μg of rHuLD78-β/CCL3L1 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.
Storage:	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.
Usage:	This material is offered by Bio Basic Canada Inc. for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.