

Recombinant Human LD78 beta/CCL3L1

#R00377

Size: 5 µg/100 µg/500 µg

Stability & Storage

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- 12 months from date of receipt, -20 to -70 °C as supplied.
 - 1 month, 2 to 8 °C under sterile conditions after reconstitution.
 - 3 months, -20 to -70 °C under sterile conditions after reconstitution.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

Background

CCL3L1, also named LD78-beta, is belonging to the intercrine beta (chemokine CC) family and it is encoded by the CCL3L1 gene in humans. This protein binds to several chemokine receptors including chemokine binding protein 2 (CCBP2 or D6) and chemokine (C-C motif) receptor 5 (CCR5). It is an inhibitor of HIV-1-infection and chemotactic for lymphocytes and monocytes. Recombinant human LD78β is a 7.7 kDa protein containing 70 amino acid residues, including the four conserved cysteine residues present in CC chemokines.

AA Sequence

APLAADTPTACCFSYTSRQIPQNFADYFETSSQCCK
PSVIFLTRGRQVCADPSEEWVQKYVSDLELSA

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.

Product Specification

Synonyms	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
Accession	P16619
GeneID	6349
Species	Human
Source	Escherichia coli.
Molecular Weight	Approximately 7.8 kDa protein containing 70 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.
Purity	> 97 % by SDS-PAGE and HPLC analyses.
Biological	Fully biologically active when

Activity	compared to standard. The biological activity determined by a chemotaxis bioassay using human monocytes is in a concentration range of 1.0-10 ng/ml.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Endotoxin	Less than 1 EU/µg of rHuLD78-β/CCL3L1 as determined by LAL method.