

Recombinant Human CCL3L1 protein

Cat. No. CCL3L1-606H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCL3L1 protein was expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	70
Description	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 LD78 β is a 7.7 kDa protein containing 70 amino acid residues, including the four conserved cysteine residues present in CC chemokines.
Form	Lyophilized from a 0.2 μ m filtered concentrated solution in PBS, pH 7.4.
Bio-activity	Fully biologically active when 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.
Molecular Mass	Approximately 7.8 kDa protein containing 70 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.

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AA Sequence	APLAADTPTACCFSYTSRQIPQNFADYFETSSQCSKPSVIFLTKRGRQVCADPSEE WVQKYVSDLELSA
Endotoxin	Less than 1 EU/μg of rHuLD78-β/CCL3L1 as determined by LAL method.
Purity	>97% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
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 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	CCL3L1
Official Symbol	CCL3L1
Synonyms	CCL3L1; chemokine (C-C motif) ligand 3-like 1; D17S1718, SCYA3L, SCYA3L1, small inducible cytokine A3 like 1; C-C motif chemokine 3-like 1; G0S19 2; LD78BETA; PAT 464.2; LD78-beta(1-70); small inducible cytokine A3-like 1; small-inducible cytokine A3-like 1; G0/G1 switch regulatory protein 19-2; tonsillar lymphocyte LD78 beta protein; LD78; 464.2; MIP1AP; SCYA3L; G0S19-2; SCYA3L1; D17S1718; MGC12815; MGC104178; MGC182017;

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Gene ID	6349
mRNA Refseq	NM_021006
Protein Refseq	NP_066286
MIM	601395
UniProt ID	P16619

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