Recombinant Human LD78 beta/CCL3L1

(rHuLD78β/CCL3L1) Cat No. SB-ZR055

◆Description

CCL3L1, also named LD78-beta, is belonging to the intercrine beta (chemokine CC) family and it is encoded by the CCL3L1 gene in human. 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/CCL3L1 is a 7.8kDa protein containing 70 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.

◆Product Information

Product Name	Recombinant human LD78 beta/CCL3L1 (rHuLD78β/CCL3L1)
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
Source	Expressed in *E. coli*.
Molecular weight	Approximately 7.8kDa, a single non-glycosylated polypeptide chain containing 70 amino acids.
Accession	P16619 Ala24- Ala93
AA Sequence	APLAADTPTACCFSYTSRQIPQNFIADYFETSSQCSKPSVIFLTKRGRQVCADPSEEWVQK YVSDLELSA
Purity	＞97% by SDS-PAGE or HPLC.
Biological 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.
Formulation	Lyophilized from a 0.2μm filtered concentrated solution in 20mMPB,150 mM NaCl, pH 7.4.
Endotoxin level	＜0.01EU/μg rHuLD78-β/CCL3L1 protein as determined by LAL method.
Reconstitution	**Before use this product, please read the direction below carefully.** 1、 This vial must be briefly centrifuged prior to opening to bring the contents to the bottom. 2、 Reconstitute in sterile distilled water or aqueous buffer containing 0.1%BSA to a concentration of 0.1-1.0mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤-20℃. Further dilutions should be made in appropriate buffered solutions.
Storage/ Stability	For long term storage, the product should be stored ≤-20℃. 36 months, -20 to -70℃ as supplied. 1 month, 2 to 8℃ under sterile conditions after reconstitution; 3 months, -20 to -70℃ under sterile conditions after reconstitution. **Please avoid repeated freeze-thaw cycles.**
THIS PRODUCT IS FOR RESEARCH, LABORATORY AND EVALUATION PURPOSE ONLY.	