

## LD78beta Human E. coli

### Product Data Sheet

<b>Type:</b> Recombinant	<b>Cat. No.:</b>	
<b>Source:</b> E. coli	RBG10202005	(5 µg)
<b>Species:</b> Human	RBG10202020	(20 µg)
<b>Other names:</b> CCL3L1	RBG10202100	(100 µg)

### Description

LD78beta is a CC chemokine that is closely related to MIP-1alpha. It signals through the CCR5 receptor and the beta-chemokine receptor, D6. LD78beta has been shown to exhibit potent activity in HIV suppression assays. Recombinant Human LD78beta is a 7.7 kDa protein containing 70 amino acid residues, including the four conserved cysteine residues present in CC chemokines.

### Research topic

Chemokines, Cytokines and chemokines and related molecules

### Amino Acid Sequence

APLAADTPTA CCFSYTSRQI PQNFIADYFE TSSQCSKPSV IFLTKRGRQV CADPSEEWVQ KYVSDLELSA

### Source

E. coli

### Purity

98%

### Biological Activity

Determined by its ability to chemoattract human monocytes using a concentration range of 1.0-10.0 ng/ml.

### Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

### Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

### Storage, Stability/Shelf Life

-20°C

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