LAG-1 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Lymphocyte Activation Gene-1, CCL4L1, ACT-2, T-cell activiation-2, HC21

Cat. No.:

RBG10201005	(5 µg)
RBG10201020	(20 µg)
RBG10201100	(100 µg)

Description

LAG-1 is CC chemokine that signals through the CCR5 receptor. LAG-1 is identical to MIP-1beta (ACT II isotype) except for two amino acid substitutions; arginine for histidine at position 22 and serine for glycine at position 47 of the mature protein. LAG-1 chemoattracts monocytes, and exhibits activity as an HIV-suppressive factor. Recombinant Human LAG-1 is a 7.7 kDa protein containing 69 amino acid residues.

Research topic

Chemokines, Cytokines and chemokines and related molecules

Amino Acid Sequence

APMGSDPPTA CCFSYTARKL PRNFVVDYYE TSSLCSQPAV VFQTKRSKQV CADPSESWVQ EYVYDLELN

Source

E. coli

Purity

98%

Biological Activity

Determined by it's ability to chemoattract CCR5 transfected cells using a concentration of 0.1-10.0 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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