

Recombinant Human CCL16 Protein, Biotinylated

Catalog Number: 230-30145B

Data Sheet / Certificate of Analysis (CoA)

Last Revised: 11/27/2024

Source

Species	Human
Accession Number	O15467
Gene Symbols	CCL16
Synonyms	Chemokine CC-4, HCC-4, Chemokine LEC, IL-10-inducible chemokine, LCC-1, Liver-expressed chemokine, Lymphocyte and monocyte chemoattractant, LMC, Monotactin-1, MTN-1, NCC-4, Small-inducible cytokine A16.
Expressed Region	Gln24-Gln120

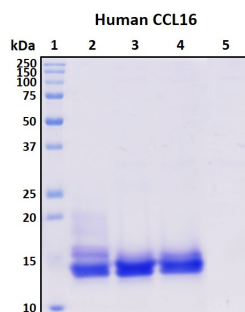
Preparation

Expression System	HEK293 cells
Tag	N-terminal his-tag. The primary amino groups (-NH ₂) at the N-terminus and the side chains of lysine (K) residues were biotin-conjugated using the standard chemical labeling method.
Purity	>95%
Molecular Weight	Recombinant protein product has a calculated molecular mass of 14 kDa. Due to the abundant glycosylation, it migrates as approximately 15-20 kDa extra protein bands (beside 14 kDa band) in SDS-PAGE under DTT, beta-mercaptoethanol reducing conditions. After deglycosylation under native and denature conditions, the protein presented as one major 14 kDa band. See deglycosylation analysis in SDS-PAGE image.

Specifications

Format	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS
Concentration	Determined by BCA protein assay
Reconstitution	Briefly spin the vial and bring the contents to the bottom prior to opening. It is recommended to reconstitute at 0.5 - 1.0 mg/mL with sterile deionized water.

SDS-PAGE Image



Shipping

The product is shipped with ice packs. Upon arrival, immediately store it at the temperature recommended below.

Storage/Stability

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- Upon arrival, the lyophilized protein may be stored for 2 weeks at 4°C.
- For long term storage, it is recommended to store desiccated below -20°C in a manual defrost freezer.
- Generally, the shelf life is up to 12 months from date of receipt at -20°C or -80°C under sterile conditions.
- Following reconstitution, the protein may be stored for 2 weeks under sterile conditions at -20°C. For long term storage, it is recommended to make appropriate aliquots at -20°C or -80°C.