CCL28 (MEC) Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Mucosae-associated epithelial chemokine,MEC, Protein CCK1, Small-inducible cytokine A28, CCL28, C-C motif chemokine 28

Cat. No.:
RD172383050 (0.05 mg)

Description

Total 105 AA. MW: 12,1 kDa (calculated). UniProtKB acc.noQ9NRJ3 (23-127) Protein identity confirmed by LC-MS/MS.

Introduction to the Molecule

Mucosae-associated epithelial chemokine (MEC)(CCL28) is secreted by epithelial cells of gastrointestinal and nonintestinal mucosal cells, and regulates chemotaxis of cells expressing surface receptors CCR3 and CCR10. It shows broad-spectrum antibacterial activities, and could also be useful in vaccination of HIV infeaction.

Research topic

Chemokines, Cytokines and chemokines and related molecules

Amino Acid Sequence

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ILPIASSCCT EVSHHISRRL LERVNMCRIQ RADGDCDLAA VILHVKRRRI CVSPHNHTVK QWMKVQAAKK NGKGNVCHRK
KHHGKRNSNR AHQGKHETYG HKTPY
```

Source

E. coli

Purity

Purity as determined by SDS PAGE: >97 %

Biological Activity

EC50 = 38nM determined by Migration Assay in cells expressing recombinant CCR10

Endotoxin

<0.01 EU /1µg

Reconstitution

Add sterile water to prepare a working stock solution of approximately 0.1 mg/ml and let the lyophilized pellet dissolve completely.

Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Store the lyophilized protein at -20 to -70 °C. Lyophilized protein remains stable until the expiry date when stored at-20 to -70 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -20 to -70 °C, the protein is stable for 3 months at -20 to -70 °C under sterile conditions after reconstitution. Reconstituted protein can be stored at 4 °C for 1 month

Quality Control Test

Quantification is done by A280, using the calculated extinction coefficient (8970 M-1 cm-1).
SDS-PAGE to determine purity of the protein.
LAL TEST to determine endotoxin level.

Applications

Biologically active protein, Cell culture and/or animal studies, ELISA, Western blotting

Note

This product is intended for research use only.

HEADQUARTERS: BioVendor Laboratorní medicína, a.s.	Karasek 1767/1	621 00 Brno CZECH REPUBLIC	Phone: +420-549-124-185 Fax: +420-549-211-460	E-mail: Web:	info@biovendor.com sales@biovendor.com www.biovendor.com
AUSTRIA: BioVendor GesmbH	Nußdorfer Straße 20/10	1090 Vienna AUSTRIA	Phone: +43-1-89090-25 Fax: +43-1-89090-2515	E-mail:	infoAustria@biovendor.com
GERMANY, SWITZERLAND: BioVendor GmbH	Otto-Hahn-Straße 16	34123 Kassel GERMANY	Phone: +49-6221-433-9100 Fax: +49-6221-433-9111	E-mail:	infoEU@biovendor.com
USA, CANADA AND MEXICO: BioVendor LLC	128 Bingham Rd. Suite 1300	Asheville, NC 28806 USA	Phone: +1-828-575-9250 +1-800-404-7807 Fax: +1-828-575-9251	E-mail:	infoUSA@biovendor.com