

Cell Death-Inducing DFFA-Like Effector C Human E. coli

Product Data Sheet

Type: Recombinant

Source: E. coli

Species: Human

Other names: Cell death activator CIDE-3, Fat-specific protein FSP27 homolog, CIDEc, FSP27

Cat. No.:

RD172372100

(0.1 mg)

Description

Total 247 AA. MW: 28 kDa (calculated). UniProtKB acc.no. Q96AQ7 (Glu2-Gln238). N-terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

Introduction to the Molecule

Cell death activator CIDE-3 regulates enlargement of lipid droplets. It is expressed mainly in adipocytes, intestine, heart, stomach, and weakly in brain, kidney and liver. Its overexpression in preadipocytes induces apoptosis.

Research topic

Energy metabolism and body weight regulation, Lipoprotein metabolism

Amino Acid Sequence

MKHHHHHHS EYAMKSLSL L YPKLSLRHVS VRTSVVTQQL LSEPSPKAPR ARPCRVSTAD RSVRKGIMAY SLEDLLLKVR
DTLMLADKPF FLVLEEDGTT VETEEYFQAL AGDTVFMVLQ KGQKWQPPSE QGTRHPLSLS HKPAKKIDVA RVTFDLYKLN
PQDFIGCLNV KATFYDTYSL SYDLHCCGAK RIMKEAFRWA LFSMQATGHV LLGTSCYLQQL LLDATEEGQP PKGKASLIP
TCLKILQ

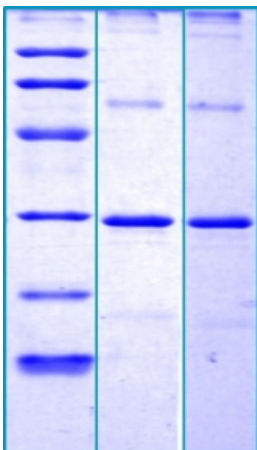
Source

E. coli

Purity

Purity as determined by densitometric image analysis: > 95 %

SDS-PAGE gel



14 % SDS-PAGE separation of Human Cell Death-Inducing DFFA-Like Effector C:

1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa

2. reduced and boiled sample, 2.5 µg/lane

3. non-reduced and non-boiled sample, 2.5 µg/lane

Endotoxin

< 1.0 EU/ug

Formulation

0.4 - 0.8 mg/ml in 30 mM acetate buffer, 10mM dithiothreitol, pH 4 - filtered (0.4 µm), frozen

Reconstitution

Defrost at ambient temperature. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

Shipping

On ice. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Store protein at -80°C. Protein remains stable until the expiry date when stored at -80°C. Avoid repeated freezing/thawing cycles. The thawed protein can be stored at 4 °C for a week.

Quality Control Test

Bradford protein assay to determine quantity of the protein.

SDS-PAGE to determine purity of the protein.

LAL TEST to determine endotoxin level.

Applications

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: info@biovendor.com sales@biovendor.com Web: 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