BioVendor - Laboratorní medicína a.s.
Karásek 1767/1
621 00 Brno

Date of issue: 14.06.2018

PRODUCT DATASHEET

LIF Human E. coli

Cat. No.: RD172576100
Type: Recombinant
Size: 0.1 mg
Source: E. coli
Species: Human

Description
Total 189 AA. MW: 20.9 kDa (calculated). UniProtKB acc. no. P15018 (Ser23–Phe202). N-terminal His-tag (9 extra AA). Protein identity confirmed by LC-MS/MS.

Other names
Cholinergic differentiation factor, D-FACTOR, Human interleukin in DA cells, Differentiation-stimulating factor, Emfilermin, Leukemia inhibitory factor, Melanoma-derived LPL inhibitor, MLPLI, HILDA

Introduction to the molecule

Research topic
Cytokines and chemokines and related molecules, Oncology

Amino Acid sequence
MKHHHHHHAS PLPITPVNAT CAIRHPCHNN LMNQIRSQLA QLNGSANALF ILYYTAQGEP FPNNLDKLCG PNVTDFPPFH ANGTEKAKLV ELYRIVVYLG TSLGNITRDQ KILNPSALSL HSKLNATADI LRGLLSNVLC RLCSKYHVGH VDVTYGPDTS GKDVFQKKKL GCQLLGKYKQ IIAVLAQAF

Purity
Purity as determined by densitometric image analysis: > 95 %

Endotoxin
< 0.1 EU/µg

Formulation:
Filtered (0.4 µm) and lyophilized from 0.5 mg/ml solution in 20 mM Tris buffer, 20 mM NaCl, 5% w/v trehalose, pH 7.5

Reconstituion:
Add deionized water to prepare a working stock solution of approximately 0.5 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 lyophilized protein at –80°C. Lyophilized protein remains stable until the expiry date when stored at –80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at –80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.

BioVendor - Laboratorní medicína a.s.
Karásek 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
There are BioVendor branches and distributors near you.
To find the office closest to you, visit www.biovendor.com/contact

BioVendor - Laboratorní medicína a.s.
Karásek 1767/1
621 00 Brno

Date of issue: 14.06.2018

Quality control

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

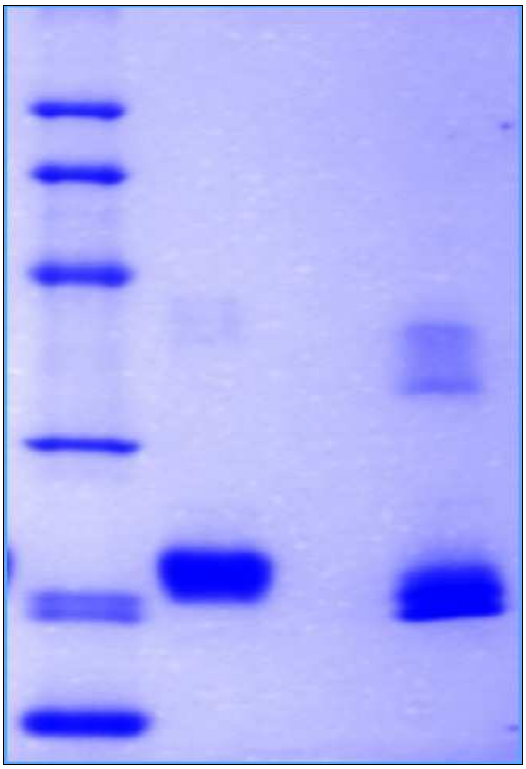
LAL to determine quantity of endotoxin.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.



14 % SDS-PAGE separation of Human LIF:
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

BioVendor - Laboratorní medicína a.s.
Karásek 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

There are BioVendor branches and distributors near you.
To find the office closest to you, visit www.biovendor.com/contact