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

Date of issue: 02.11.2018

PRODUCT DATASHEET

Interleukin-3 Human E. coli

Cat. No.: RD172568025
Type: Recombinant protein
Size: 0.025 mg
Source: E. coli
Species: Human

Description
Total v 143 AA. MW: 16.3 kDa (calculated). UniProtKB acc. no. P08700 (Ala20–Phe152). N-terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

Other names
MCGF (Mast cell growth factor), Multi-CSF, P-cell stimulation factor

Introduction to the molecule

Research topic
Immune Response, Infection and Inflammation, Oncology

Amino Acid sequence
MKHHHHHHAS APMTQTTPLK TSWVNCSNMI DEIITHLKQP PLPLLDFNNL NGEDQDILME NNLRRPNLEA FNRAVKSLQN ASAIESILKN LLPCLPLATA APTRHPIHIK DGDWNEFRRK LTFYLKTLEN AQAQQTTLSL AIF

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, 50 mM NaCl, 5% 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.

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Quality control

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

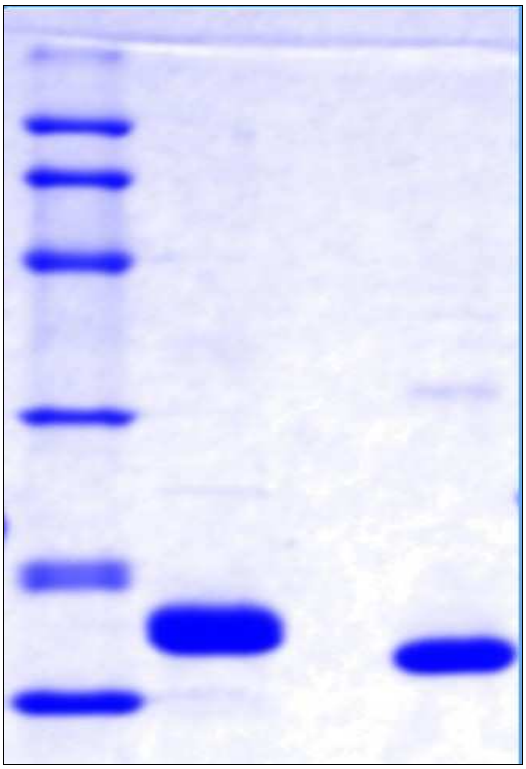
LAL to determine quantity of endotoxin.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.



14 % SDS-PAGE separation of Human Interleukin-3:
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

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