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

Date of issue: 05.01.2018

PRODUCT DATASHEET

SPP-24 Human E. coli

Cat. No.: RD172537100
Type: Recombinant
Size: 0.1 mg
Source: E. coli
Species: Human

Description
Total 192 AA. MW: 22.2 kDa (calculated). UniProtKB acc. no. Q13103 (Phe30-Glu211). N-terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

Other names
SPP-24, Secreted phosphoprotein 2, SPP2, SPP24

Amino Acid sequence
MKHHHHHHAS FPVYDYDPSS LRDALSASVV KVNSQSLSPY LFRAFRSSLK RVEVLDENNL VMNLEFSIRE TTCRKDSGED PATCAFQRDY YVSTAVCRST VKVSAQQVQG VHARCSWSSS TSESYSSEEM IFGDMLGSHK WRNNYLFGLI SDESISEQFY DRSLGIMRRV LPPGNRRYPN HRHRARINTD FE

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 50 mM acetate buffer, pH 4.

Reconstituion:
Add 0.1 M acetate buffer pH 4.0 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.

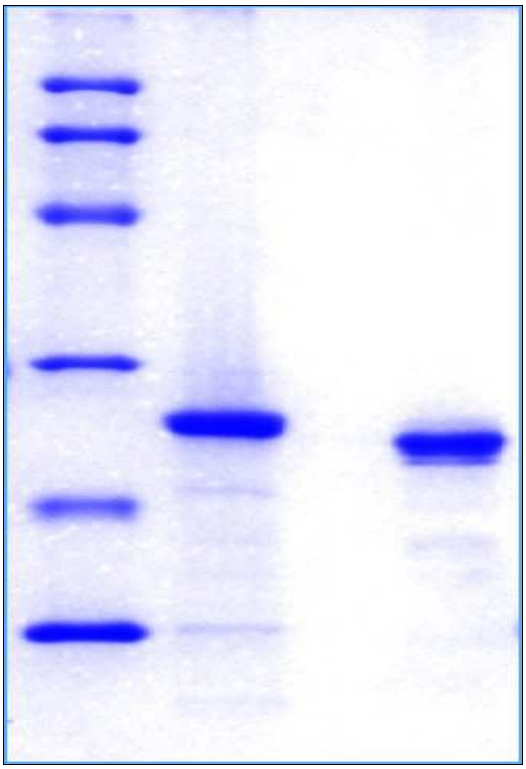
LAL to determine quantity of endotoxin.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.



14 % SDS-PAGE separation of Human SPP-24:
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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