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

Date of issue: 05.01.2018

PRODUCT DATASHEET

PLUNC Human E. coli

Cat. No.: RD172508100
Type: Recombinant
Size: 0.1 mg
Source: E. coli
Species: Human

Description
Total 247 AA. MW: 25.9 kDa (calculated). UniProtKB acc. no. Q9NP55 (Gln20–Val256). N-terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

Other names
BPI fold-containing family A member 1, Lung-specific protein X, Nasopharyngeal carcinoma-related protein, Palate lung and nasal epithelium clone protein, Secretory protein in upper respiratory tracts, short PLUNC1, SPLUNC1, Tracheal epithelium-enriched protein, Von Ebner protein HI, BPIFA1, LUNX, NASG, SPURT, SPLUNC1

Amino Acid sequence
MKHHHHHHAS QFGGLPVPLD QTLPLNVNPA LPLSPTGLAG SLTNALSNGL LSGGLLGILE NLPLLDILKP GGGTSGGLLG GLLGKVTSVI PGLNNIIDIK VTDPQLLELG LVQSPDGHRL YVTIPLGIKL QVNTPLVGAS LLRLAVKLDI TAEILAVRDK QERIHLVLGD CTHSPGSLQI SLLDGLGPLP IQGLLDSLTG ILNKVLPELV QGNVCPLVNE VLRGLDITLV HDIVNMLIHG LQFVIKV

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% w/v trehalosa, 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.

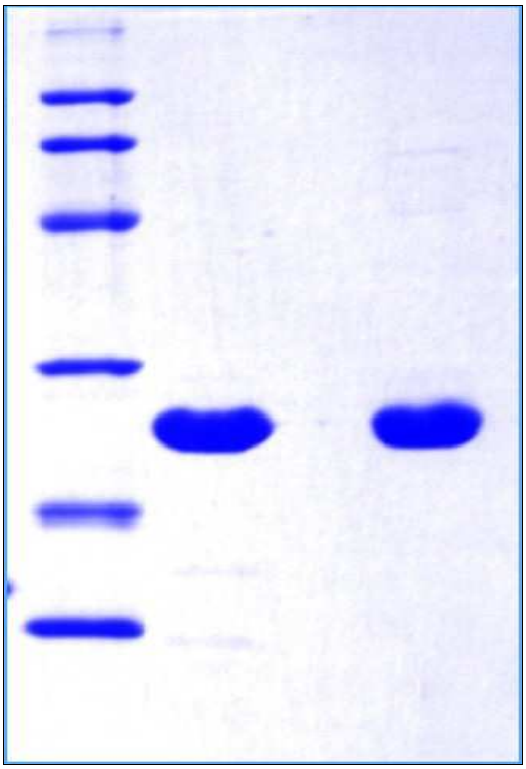
LAL to determine quantity of endotoxin.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.



14 % SDS-PAGE separation of Human PLUNC:
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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