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

Date of issue: 06.12.2017

PRODUCT DATASHEET

Helicobacter pylori Neutrophil-activating Protein A Helicobacter pylori E

Cat. No.: RD772356100
Type: Recombinant
Size: 0.1 mg
Source: E. coli
Species: Helicobacter pylori

Description
Total 154 AA. MW: 18.2 kDa (calculated). UniProtKB acc.no. P43313 (Met1-Ala144). N-terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

Other names
DNA protection during starvation protein, Bacterioferritin, HP-NAP

Introduction to the molecule

Amino Acid sequence
MKHHHHHHAS MKTFEILKHL QADAIVLFMK VHNFHWNVKG TDFFNVHKAT EEIYEEFADM FDDLAERIVQ LGHHPLVTLS EAIKLTRVKE ETKTSFHSKD IFKEILEDYK YLEKEFKELS NTAEKEGDKV TVTYADDQLA KLQKSIWMLQ AHLA

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

Endotoxin
< 0.1 EU/ug

Formulation:
Filtered (0.4 µm) and lyophilized in 20 mM Tris buffer, 50 mM NaCl, pH 7.5.

Reconstituion:
Add 200 µl of deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

Shipping
At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life
Store the 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.

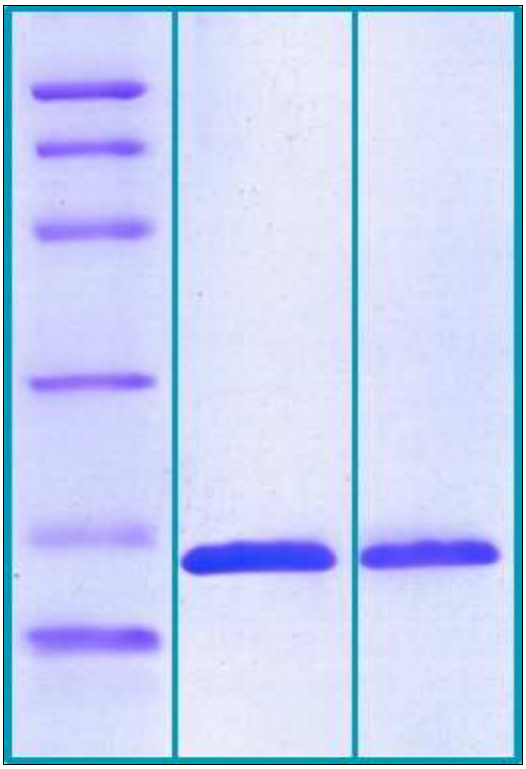
LAL to determine quantity of endotoxin.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.



14 % SDS-PAGE separation of HP-NAP (E.coli):
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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