Mycoplasma pneumoniae P1 Protein, His tag, E. coli

Catalog Number	LDG025POE
Package	5 μg / 20 μg / 100 μg / Customized package

For full product information, images and publications, please visit our website.

Specifications

Species of Origin
Mycoplasma pneumoniae

Expression system
Escherichia coli

Affinity Tag
His Tag (C-term)

Buffer
Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4

Purity
>95% as determined by SDS-PAGE analysis.

Molecular weight
The protein has a calculated MW of 25.39 kDa. The protein migrates as 35 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin level
<0.1 EU per 1 μg of the protein by the LAL method.

Form
Lyophilized

Background

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Background

The Mycoplasma pneumoniae P1 protein is a key adhesin involved in the attachment of the bacterium to respiratory epithelial cells, facilitating infection. This protein plays a crucial role in the pathogenesis of Mycoplasma pneumoniae respiratory infections, such as bronchitis and pneumonia. P1 protein mediates interactions between the bacterium and host cells, contributing to colonization and evasion of host immune responses. Understanding the function and structure of P1 protein is essential for developing targeted therapies and vaccines against Mycoplasma pneumoniae infections.

Synonyms

Attachment protein, Cytadhesin P1

Uniprot ID

P11311

Sequence Note

Ser1287-Gln1518

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration of 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Image

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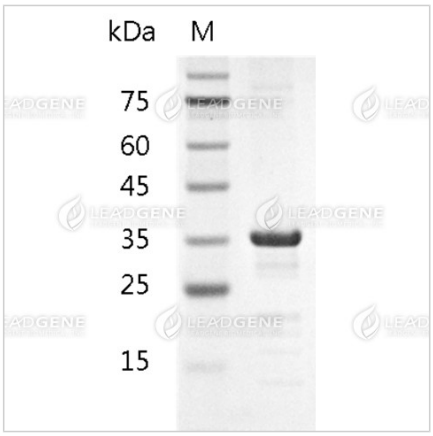

SDS-PAGE analysis of recombinant P1 protein.

Disclaimer : For Research Use or Further Manufacturing Only.

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