

Recombinant e.coli fimC protein

Catalog Number: ATGP0931

PRODUCT INFORMATION

Expression system

E.coli

Domain

37-241aa

UniProt No.

P31697

NCBI Accession No.

NP_418736

Alternative Names

Periplasmic chaperone required for type 1 fimbriae, Periplasmic chaperone, required for type 1 fimbriae, ECK4307, JW4279,

PRODUCT SPECIFICATION

Molecular Weight

25 kDa (226aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

The 23 kDa two-domain periplasmic chaperone FIMC from Escherichia coli is required for the assembly of type-1 pili, which are filamentous, highly oligomeric protein complexes anchored to the outer bacterial membrane that mediate adhesion of pathogenic E. coli strains to host cell surfaces and persist in macrophages. Recombinant E. coli FIMC protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Recombinant e.coli fimC protein

Catalog Number: ATGP0931

Amino acid Sequence

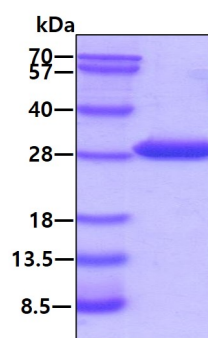
<MGSSHHHHHH SSGLVPRGSH M>GVALGATRV IYPAGQKQEQ LAVTNNDENS TYLIQSWVEN ADGVKDGRFI
VTPPLFAMKG KKENTLRILD ATNNQLPQDR ESLFWMNVKA IPSMDKSKLT ENTLQLAIIS RIKLYYRPAK LALPPDQAAE
KLRFRRSANS LTLINPTYY LVTTELNAGT RVLENALVPP MGESTVKLPS DAGSNITYRT INDYGALTPK MTGVME

General References

Hermanns u., et al. (2000) Biochemistry. 39(38):11564-70.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.