

eFIMC, 37-241aa, E.coli, His tag, E.coli

Cat.NO.: TP01976

3th Edition

Synonyms:Periplasmic chaperone, required for type 1 fimbriae, ECK4307, JW4279.

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.

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

Molecular Weight:25 kDa (226aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGVALGATRVIIYPAGQKQEQLAVTNNDENSTYLIQSWVENADGVKDGRFIVTPPL
FAMKGKKENTLRILDATNNQLPQDRESLFWMNVKAIPSMDSKLTENTLQLAISRIKLYYRPAKLALPPDQAAEKL
FRRSANSLTLINPTPYLTVTELNAGTRVLENALVPPMGESTVKLPDAGSNITYRTINDYGALTPKMTGVME

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.