Recombinant E. coli Chaperone, Periplasmic, His-tagged

Cat. No. fimC-3402E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant E. coli FIMC protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	E.coli
Source	E.coli
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT.
Molecular Weight	25 kDa (226aa) confirmed by MALDI-TOF.
Purity	> 95 % by SDS - PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MGVALGATRV IYPAGQKQEQ LAVTNNDENS TYLI QSWVEN ADGVKDGRFI VTPPLFAMKG KKENTLRILD ATNNQLPQDR ESLF WM NVKA IPSMDKSKLT ENTLQLAIIS RIKLYYRPAK LALPPDQAAE KLRFRRSANS LTLI NPTPYY LTVTELNAGT RVLENALVPP MGESTVKLPS DAGSNITYRT INDYGALTPK MTGVME.

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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.

GENE INFORMATION

Gene Name	fimC chaperone, periplasmic [Escherichia coli str. K-12 substr. MG1655]
Synonyms	chaperone, periplasmic; ECK4307; JW4279; periplasmic chaperone, required for type 1 fimbriae; fimC
Gene ID	948843
Protein Refseq	NP_418736

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