

# Product information

## FIMC, 37-241 aa

*E.coli*, His-tagged, Recombinant, *E.coli*

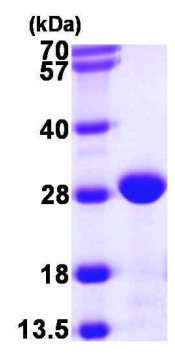
Cat. No. IBATGP0931

**Full name:** Periplasmic chaperone, required for type 1 fimbriae.

**NCBI Accession No.:** NP\_418736

**Synonyms:** 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.

<p><b>Form:</b> Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 1mM DTT.</p> <p><b>Molecular Weight:</b> 25 kDa (226aa), confirmed by MALDI-TOF</p> <p><b>Purity:</b> &gt; 95 % by SDS - PAGE</p> <p><b>Concentration:</b> 1 mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p><b>Sequences of amino acids:</b></p> <p>MGSSHHHHHH SSGLVPRGSH MGVALGATRV IYPAGQKQEQ LAVTNNDENS TYLIQSWVEN ADGVKDGRFI VTPPLFAMKG KKENTLRILD  ATNNQLPQDR ESLFWMNVKA IPSMDKSKLT ENTLQLAIIS RIKLYYRPAK LALPPDQAAE KLRFRRSANS LTLINPTPPY LTVTELNAGT  RVLENALVPP MGESTVKLPS DAGSNITYRT INDYGALTPK MTGVME</p>	

### General references:

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

**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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.