

K99 fimbrial Protein, E. coli, Recombinant (His & SUMO)

General Information

Synonyms:	K99 fimbrial protein;fanC
Protein Construction:	23-181 aa
Species:	E. coli
Expression Host:	E. coli
Accession:	P18103
Molecular Weight:	32.5 kDa (predicted)
AA Sequence:	NTGTINFNGKITSATCTIDPEVNGNRTSTIDLGQAAISGHGTVVDFKLPAPGSNDCLAKTNARIDWSGSMNS LGFNNTASGNNTAAKGYHMTLRATNVGNSSGGANINTSFTTAETHYHTSAIQSFNYSAQLKKDDRAPSNNGGYK AGVFTTSASFLVTYM

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Fimbriae (also called pili), polar filaments radiating from the surface of the bacterium to a length of 0.5-1.5 micrometers and numbering 100-300 per cell, enable bacteria to colonize the epithelium of specific host organs.; FanC is the main component of the K99 fimbriae.

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