

YebF Protein, E.coli (Myc, His)

Cat. No.:	HY-P71453
Synonyms:	yebF; b1847; JW1836; Protein YebF
Species:	E.coli
Source:	E. coli
Accession:	P33219 (22A-118R)
Gene ID:	946363
Molecular Weight:	Approximately 15.8 kDa

PROPERTIES

AA Sequence	<p> A N N E T S K S V T F P K C E D L D A A G I A A S V K R D Y Q Q N R V A R W A D D Q K I V G Q A D P V A W V S L Q D I Q G K D D K W S V P L T V R G K S A D I H Y Q V S V D C K A G M A E Y Q R R </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>The YebF protein is observed as a monomer in solution, indicating its individual structural state. Furthermore, YebF interacts with OmpF/OmpC, specifically at the periplasmic face of the membrane. These interactions suggest a potential role for YebF in the context of the bacterial membrane, potentially influencing cellular processes related to membrane dynamics or transport. The monomeric nature of YebF in solution highlights its independent structural form, and further exploration is warranted to elucidate the specific molecular mechanisms and functional implications of its interactions with OmpF/OmpC in the bacterial membrane.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA