

YTFE Protein, E. coli, Recombinant (GST)

General Information

Synonyms:	ytfE;Regulator of cell morphogenesis and NO signaling (RCMNS);Iron-sulfur cluster repair protein YtfE
Protein Construction:	1-220 aa
Species:	E. coli
Expression Host:	E. coli
Accession:	P69506
Molecular Weight:	51.9 kDa (predicted)
AA Sequence:	MAYRDQPLGELALSIPRASALFRKYDMDYCCGGKQTLARAAARKELDVEVIEAELAKLAEQPIEKDWRSAPLA EIIDHIIVRYHDRHREQLPELILQATKVERVHADKPSVPKGLTKYLMLHEELSSHMMKEEQILFPMIKQGMGS QAMGPISVMESEHDEAGELLEVIKHTTNNVTPPEACTTWKAMYNGINELIDDLMDHISLENNVLFPRALAGE

QC Testing

Biological Activity:	Measured by its binding ability in a functional ELISA. Immobilized aqpZ at 5 µg/mL can bind E.coli ytfE, the EC50 of E.coli ytfE protein is 197.90-259.70 µg/mL.
Purity:	> 85% 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

Di-iron-containing protein involved in the repair of iron-sulfur clusters damaged by oxidative and nitrosative stress conditions.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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