

YTFE Protein, E.coli (GST)

Cat. No.:	HY-P700386
Synonyms:	Iron-sulfur cluster repair protein Ytfe; Regulator of cell morphogenesis and NO signaling; RCMNS
Species:	E.coli
Source:	E. coli
Accession:	P69506 (M1-E220)
Gene ID:	66671871
Molecular Weight:	51.9 kDa

PROPERTIES

AA Sequence	<p>M A Y R D Q P L G E L A L S I P R A S A L F R K Y D M D Y C C G G K Q T L A R A</p> <p>A A R K E L D V E V I E A E L A K L A E Q P I E K D W R S A P L A E I I D H I I</p> <p>V R Y H D R H R E Q L P E L I L Q A T K V E R V H A D K P S V P K G L T K Y L T</p> <p>M L H E E L S S H M M K E E Q I L F P M I K Q G M G S Q A M G P I S V M E S E H</p> <p>D E A G E L L E V I K H T T N N V T P P P E A C T T W K A M Y N G I N E L I D D</p> <p>L M D H I S L E N N V L F P R A L A G E</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
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>YTFE, a di-iron-containing protein, plays a vital role in the repair of iron-sulfur clusters that are susceptible to damage under conditions of oxidative and nitrosative stress. Operating as a homodimer, YTFE is implicated in cellular responses to environmental stresses that may compromise the integrity of iron-sulfur clusters, critical co-factors in various biological processes. The di-iron centers within YTFE likely contribute to its function as a repair enzyme, facilitating the restoration of damaged iron-sulfur clusters and ensuring the proper functioning of proteins dependent on these clusters for their activities.</p>
-------------------	--

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