

Recombinant e.coli glpE protein

Catalog Number: ATGP2144

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-108aa

UniProt No.

P0A6V5

NCBI Accession No.

NP_417883

Alternative Names

Thiosulfate:cyanide sulfurtransferase (rhodanese), ECK3411, JW3388

PRODUCT SPECIFICATION

Molecular Weight

14.5 kDa (131aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Thiosulfate:cyanide sulfurtransferase (rhodanese), also known as glpE, is a mitochondrial matrix enzyme that is encoded by the nucleus. glpE catalyzes the sulfur-transfer reaction in which a sulfur atom is transferred from thiosulfate to cyanide by a double-displacement mechanism. Escherichia coli glpE is a prototype for the single-domain rhodanese superfamily. Recombinant E. coli glpE protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

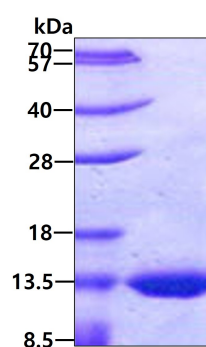
<MGSSHHHHHH SSGLVPRGSH MGS>MDQFECI NVADAHQKLQ EKEAVLVDIR DPQSFAMGHA VQAFHLTNDT
LGAFMRDNDF DTPVMVMCYH GNSSKGAAQY LLQQGYDVVY SIDGGFEAWQ RQFPAEVAYG A

General References

Li H., et al. (2011) *Biomol NMR Assign.* 5(1):97-9
Ray WK., et al. (2000) *J Bacteriol.* 182(8):2277-84.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.