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Recombinant E.coli tnaA protein

Catalog Number: ATGP2963

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-471aa

UniProt No.

P0A853

NCBI Accession No.

NP 418164

Alternative Names

Tryptophanase/L-cysteine desulfhydrase PLP-dependent, Tryptophanase/L-cysteine desulfhydrase, PLP-dependent, Tryptophanase

PRODUCT SPECIFICATION

Molecular Weight

55.2 kDa (494aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

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

tnaA, also known as Tryptophanase/L-cysteine desulfhydrase. Tryptophanase is an enzyme that catalyzes the chemical reaction. Thus, the two substrates of this enzyme are L-tryptophan and H2O, whereas its 3 products are indole, pyruvate, and NH3. Recombinant E. coli tnaA, fused to His-tag at N-terminus, was expressed in E. coli and purified using conventional chromatography techniques.



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Amino acid Sequence

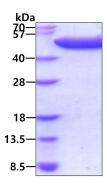
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General References

Tokushige M., et al. (1989) Biochimie 71:711-720

DATA

SDS-PAGE



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

