

Recombinant E.coli Cyclophilin A/PPIA protein

Catalog Number: ATGP2983

PRODUCT INFORMATION

Expression system

E.coli

Domain

25-190aa

UniProt No.

P0AFL3

NCBI Accession No.

NP_417822.1

Alternative Names

Rotamase A, rotA, rot, PPIase A, Peptidyl-prolyl cis-trans isomerase A, Cyclophilin A

PRODUCT SPECIFICATION

Molecular Weight

20.5 kDa (189aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) 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

ppiA also known as Peptidyl-prolyl cis-trans isomerase A. This protein is PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. Recombinant E. coli ppiA protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGS>AKGDPHV LLTTSAGNIE LELDKQKAPV SVQNFVDYVN SGFYNNITFH

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RVIPGFMIQG GGFTEQMQQK KPNPPIKNEA DNGLRNTRGT IAMARTADKD SATSQFFINV ADNAFLDHGQ RDFGYAVFGK
VVKGMDVADK ISQVPTHVVG PYQNVPSKPV VILSAKVLV

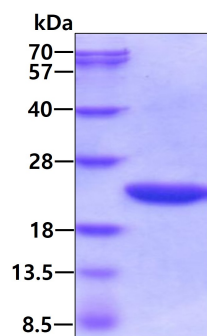
General References

Liu J., et al. (1990) Proc. Natl. Acad. Sci. u.S.A. 87:4028-4032.

Hayano T., et al. (1991) Biochemistry 30:3041-3048.

DATA

SDS-PAGE



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