

AR51803PU-S

Human ppiA 25-190aa (His-tag) - Purified

Alternate names:

Peptidyl-prolyl cis-trans isomerase A, rot, rotA

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

ppiA also known as Peptidyl-prolyl cis-trans isomerase A. This protein is PPlases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.

Uniprot ID:

[P0AFL3](#)

NCBI:

[NP_417822](#)

GeneID:

[947870](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol.

Description:

Recombinant E.coli ppiA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSAGDPHV LLTTSAGNIE LELDKQKAPV SVQNFVDYVN
SGFYNNITTFH RVIPGFMIQG GGFTEQMQQK KPNPPIKNEA DNGLRNTRGT IAMARTADKD
SATSQFFINV ADNAFLDHGQ RDFGYAVFGK VVKGMDVADK ISQVPHTDVG PYQNVPSKPV
VILSAKVLP

Molecular weight: 20.5 kDa (189aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Liu J., et al. (1990) Proc. Natl. Acad. Sci. u.S.A. 87:4028-4032. Hayano T., et al. (1991) Biochemistry 30:3041-3048.

Pictures:

