

Recombinant Escherichia coli PNTA Protein (1-401 aa), His-tagged

Cat. No. PNTA-1621E **Lot. No.** (See product label)

SPECIFICATION

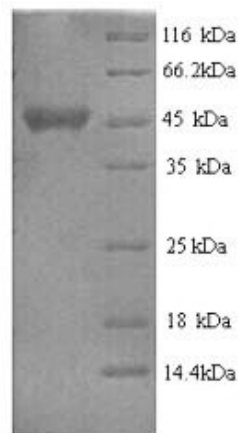
Product Overview	Recombinant Escherichia coli (strain K12) PNTA Protein (1-401 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	E.coli
Source	Yeast
ProteinLength	1-401 aa
Description	The transhydrogenation between NADH and NADP is coupled to respiration and ATP hydrolysis and functions as a proton pump across the mbrane.
Form	Tris-based buffer,50% glycerol
Molecular Mass	44.8 kDa
AA Sequence	MRIGIPRERLTNETRVAATPKTVEQLLKGFTVAVESGAGQLASFDDKAFVQAGAEIV EGNSVWQSEIILKVNAPLDDEIALLNPGTTLVSFIWPAQNPELMQKLAERNVTVMAM DSVPRISRAQSLDALSSMANIAGYRAIVEAAHEFGRFFTGTQITAAGKVPPAKVMVIGA GVAGLAAIGAANSLGAIVRAFDTRPEVKEQVQSMGAEFLELDFKEEAGSGDGYAKV MSDAFIKAEMELFAAQAKEVDIIVTTALIPGKPAPKLITREMVDSMKAGSVIVDLAAQN GGNCEYTVPGEIFTTENGVKVIGYTDLPGRLLPTQSSQLYGTNLVNLLKLLCKEKDGN TVDFDDVVIRGVTVIRAGEITWPAPPIQVSAQPQAAQKAAPEVKTEEKCTCSPWR

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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.
GENE INFORMATION	
Gene Name	pntA pyridine nucleotide transhydrogenase subunit alpha [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	PNTA
Synonyms	ECK1598;
Gene ID	946628
Protein Refseq	NP_416120
UniProt ID	P07001



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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