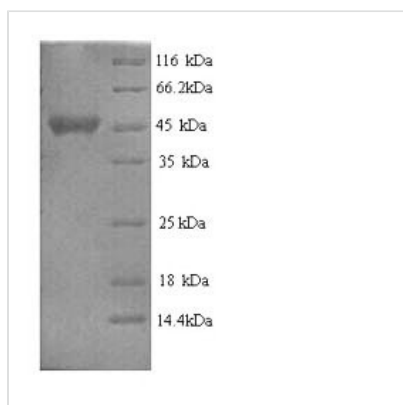




# Recombinant Escherichia coli NAD (P) transhydrogenase subunit alpha (tsr), partial

<b>Product Code</b>	CSB-YP362012ENV
<b>Relevance</b>	The transhydrogenation between NADH and NADP is coupled to respiration and ATP hydrolysis and functions as a proton pump across the mbrane.
<b>Abbreviation</b>	Recombinant E.coli pntA protein, partial
<b>Storage</b>	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P07001
<b>Alias</b>	Nicotinamide nucleotide transhydrogenase subunit alphaPyridine nucleotide transhydrogenase subunit alpha
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MRIGIPRERLTNETRVAATPKTVEQLLKLGFVAVESGAGQLASFDDKAFVQA GAEIVEGNSVWQSEIILKVNAPLDDEIALLNPGTTLVSFIWPAQNPELMQKLAER NVTVMAMDSVPRISRAQSLDALSSMANIAGYRAIVEAAHEFGFRFFTGGQITAAGK VPPAKVMVIGAGVAGLAAIGAANSLGAIVRAFDTRPEVKEQVQSMGAEFLELD FKEEAGSGDGYAKVMSDAFIKAEMELFAAQAKEVDIIVTTALIPGKPAPKLITRE MVDSMKAGSVIVDLAAQNGGNCEYTPGEIFTTENGVKVIGYTDLPGRLPQTQS SQLYGTNLVNLLKLLCKEKDGNITVDFDDVVIRGVTVIRAGEITWPAPPIQVSAQ PQAAQKAAPEVKTEEKCTCSPWR
<b>Research Area</b>	Others
<b>Source</b>	Yeast
<b>Target Names</b>	pntA
<b>Protein Names</b>	Recommended name: NAD(P) transhydrogenase subunit alpha EC= 1.6.1.2Alternative name(s): Nicotinamide nucleotide transhydrogenase subunit alpha Pyridine nucleotide transhydrogenase subunit alpha
<b>Expression Region</b>	1-401aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	44.8kDa
<b>Protein Length</b>	Cytoplasmic Domain
<b>Image</b>	



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

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.