Recombinant Escherichia coli NAD(P)H-flavin reductase(dapA)

Catalog No: #AP72396

Package Size: #AP72396-1 20ug #AP72396-2 100ug #AP72396-3 1mg

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Escherichia coli NAD(P)H-flavin reductase(dapA)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-233Sequence Info:Full Length
Other Names	Aquacobalamin reductaseFMN reductaseFerrisiderophore reductase CNAD(P)H:flavin oxidoreductaseRiboflavin reductase [NAD(P)H]
Accession No.	P0AEN1
Uniprot	P0AEN1
GeneID	948325;
Calculated MW	30.1 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	TTLSCKVTSVEAITDTVYRVRIVPDAAFSFRAGQYLMVVMDERDKRPFSMASTPDEKGFIELHIGASEINLYAKAVMDRILKDHQIVVDIPHGEAWLRDDEERPMILIAGGTGFSYARSILLTALARNPNRDITIYWGGREEQHLYDLCELEALSLKHPGLQVVPVVEQPEAGWRGRTGTVLTAVLQDHGTLAEHDIYIAGRFEMAKIARDLFCSERNAREDRLFGDAFAFI
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Catalyzes the reduction of soluble flavins by reduced pyridine nucleotides. Ses to reduce the complexed Fe3+ iron of siderophores to Fe2+, thus releasing it from the chelator.

References

Highly accurate genome sequences of Escherichia coli K-12 strains MG1655 and W3110.Hayashi K., Morooka N., Yamamoto Y., Fujita K., Isono K., Choi S., Ohtsubo E., Baba T., Wanner B.L., Mori H., Horiuchi T.Mol. Syst. Biol. 2:E1-E5(2006)
Research Topic:Others