



# F420-Dependent NADP Reductase, Recombinant, Methanothermobacter Marburgensis, aa1-224, His-Tag, Myc-Tag (Fno)

## Catalog number

517898

## Supplier

United States Biological

Catalyzes the reduction of NADP<sup>+</sup> with F420H<sub>2</sub> via hydride transfer, and the reverse reaction, i.e. the reduction of F420 with NADPH. Probably functions in the regeneration of NADPH required in biosynthetic reactions.

## Source

Recombinant full length protein corresponding to aa1-224 of Methanothermobacter Marburgensis F420-Dependent NADP Reductase, fused to 10xHis-Tag at N-terminal and Myc-Tag at C-terminal, expressed in E. coli.

## Molecular Weight

~28.4kD

## AA Sequence

MKIAVLGGTGDQQLGLALRLALAGEEVIIGSRDAEKAVSAAQKVLEIAERDDLKVKGATNAEAAEEAEVAITVPLQA  
QMATLGSVKEAIKGVKVLIDATVPIDSLGGSVRYIDLWDGSAERAARFLEDQGTRVAAAFNNISASALLDITGPVD  
CDCLIASDHRDALDLASELAEKIDGVRAIDCGGLENARVIEKITPLLINLNKRNIRNAGIRITNLPE

## Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 6 months after receipt at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

## Formulation

Supplied as a liquid in Tris-HCl, pH 8.0, 1mM EDTA, 50% glycerol.

## Purity

≥90% (SDS-PAGE)

## Grade

Purified

## Storage

-20°C

## MW

28.4



## Antigen Modification

Recombinant, E. coli