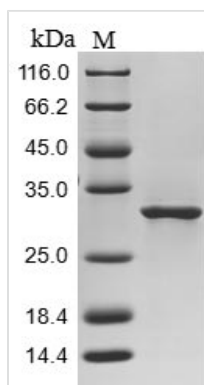




# Recombinant Methanothermobacter marburgensis F420-dependent NADP reductase (fno)

|                          |                                                                                                                                                                                                                                                                                 |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-MP520438MSQ                                                                                                                                                                                                                                                                 |
| <b>Relevance</b>         | Catalyzes the reduction of NADP+ with F420H2 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.                                                         |
| <b>Abbreviation</b>      | Recombinant Methanothermobacter marburgensis F420-dependent NADP reductase protein                                                                                                                                                                                              |
| <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>       | D9PVP5                                                                                                                                                                                                                                                                          |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                             |
| <b>Immunogen Species</b> | Methanothermobacter marburgensis (strain ATCC BAA-927 / DSM 2133 / JCM 14651 / NBRC 100331 / OCM 82 / Marburg) (Methanobacterium thermoautotrophicum)                                                                                                                           |
| <b>Purity</b>            | ≥ 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                |
| <b>Sequence</b>          | MKIAVLGGTGDQGLGLALRLALAGEEEVIIGSRDAEKAVSAAQKVLEIAERDDLK<br>VKGATNAEAAEEAEVAILTVPLQAQMATLGSVKEAIKGVKVLIDATVPIDSCLGGS<br>AVRYIDLWDGSAAERAARFLEDQGTRVAAAFNNISASALLDITGPVDCDCLIAS<br>DHRDALDLASELAEKIDGVRAIDCGGLENARVIEKITPLLINLNKRNIRNAGIRIT<br>NLPE                               |
| <b>Research Area</b>     | Others                                                                                                                                                                                                                                                                          |
| <b>Source</b>            | Mammalian cell                                                                                                                                                                                                                                                                  |
| <b>Target Names</b>      | fno                                                                                                                                                                                                                                                                             |
| <b>Protein Names</b>     | F420H2:NADP oxidoreductase                                                                                                                                                                                                                                                      |
| <b>Expression Region</b> | 1-224aa                                                                                                                                                                                                                                                                         |
| <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 10xHis-tagged and C-terminal Myc-tagged                                                                                                                                                                                                                              |
| <b>Mol. Weight</b>       | 27.4 kDa                                                                                                                                                                                                                                                                        |
| <b>Protein Length</b>    | Full Length                                                                                                                                                                                                                                                                     |
| <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

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