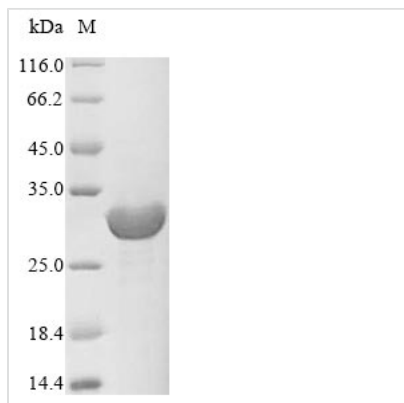


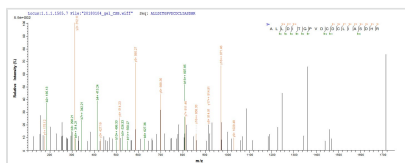


# Recombinant Methanothermobacter marburgensis F420-dependent NADP reductase (fno)

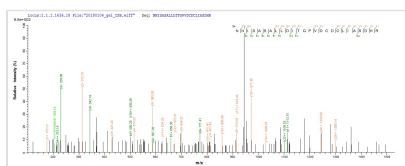
<b>Product Code</b>	CSB-EP520438MSQ
<b>Relevance</b>	Catalyzes the reduction of NADP+ with F420H2 via hydride transfer, and the reverse reaction, i.e. the reduction of F420 with NADPH. Probably functions in the regeneration of NADPH required in biosynthetic reactions.
<b>Abbreviation</b>	Recombinant 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>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MKIAVLGGTGDQGLGLALRLALAGEEVIIGSRDAEKAVSAAQKVLEIAERDDLK VKGATNAEAAEEAEVAILTVPLQAQMATLGSVKEAIKGVKVLIDATVPIDSCLOGGS AVRYIDLWDGSAERAARFLEDQGTRVAAAFNNISASALLDITGPVDCDCCLIAS DHRDALDLASELAEKIDGVRAIDCGGLENARVIEKITPLLINLNINRIRNAGIRIT NLPE
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<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>	28.4 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.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP520438MSQ could indicate that this peptide derived from E.coli-expressed *Methanothermobacter marburgensis* (strain ATCC BAA-927 / DSM 2133 / JCM 14651 / NBRC 100331 / OCM 82 / Marburg) (*Methanobacterium thermoautotrophicum*) fno.



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## 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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