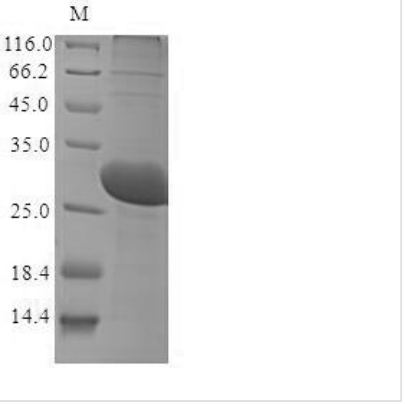
Recombinant Methanothermobacter marburgensis F420-dependent NADP reductase (fno)

Product Code	CSB-BP520438MSQ
Relevance	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.
Abbreviation	Recombinant Methanothermobacter marburgensis F420-dependent NADP reductase protein
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.
Uniprot No.	D9PVP5
Product Type	Recombinant Protein
Immunogen Species	Methanothermobacter marburgensis (strain ATCC BAA-927 / DSM 2133 / JCM 14651 / NBRC 100331 / OCM 82 / Marburg) (Methanobacterium thermoautotrophicum)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MKIAVLGGTGDQGLGLALRLALAGEEVIIGSRDAEKAVSAAQKVLEIAERDDLK VKGATNAEAAEEAEVAILTVPLQAQMATLGSVKEAIKGKVLIDATVPIDSCLGGS AVRYIDLWDGSAAERAARFLEDQGTRVAAAFNNISASALLDITGPVDCDCLIAS DHRDALDLASELAEKIDGVRAIDCGGLENARVIEKITPLLINLNIKNRIRNAGIRIT NLPE
Research Area	Others
Source	Baculovirus
Target Names	fno
Protein Names	F420H2:NADP oxidoreductase
Expression Region	1-224aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	27.4 kDa
Protein Length	Full Length
Image	



(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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