

Datasheet for ABIN3134834

FMN1 Protein (AA 1-1466) (His tag)[Go to Product page](#)**1** Image

Overview

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| Quantity: | 1 mg |
| Target: | FMN1 |
| Protein Characteristics: | AA 1-1466 |
| Origin: | Mouse |
| Source: | Insect Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This FMN1 protein is labelled with His tag. |
| Application: | ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS) |

Product Details

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| Sequence: | MEGTHCTLQL HNPIAELCYI SFYLPKGEVR GFSYKGTVTL DRSNNAFHNC YQVREGPDIT SLSQQPNEHP GDIFFKQTPT KNILTELYKL TAEKERLLDS LLRSDNILGV SMGSQEGKLQ ELSVILATGD EYFQSAGNWR RELPVSSLIR RSTQENKKPR RSGRRRESPE ELRQKRTRRK GRGCQESAFQ MGKDQVCSSS SLSFRARPNL RLLEERGNLV PRGTLTSSLR RRESPANIL RTPDADLAFG NSGRTSEDTD LEGPLSPDSS PTEVGADAVG GQLKSSHQQE PPQPNVSESH GKHAGAERWS SRTRKSKSLE RTC SKKPVS KVVAKIQEPSA PVKRIVRAHH DGKGRVAYGP ETQTEFIPKA DFLTLPGET ETHSSGRLEE EQPGIKSLRS SAPERASITK EPASTEAAVN KVL RKVIESE KLDEATEGKR LGFSLNTRAT HTFPETRSQR KAGLPQSGHK FLLLDLPHTV GPDSPQPKCD EKKPTPQVPT ALGMVFNNSS PQSSAHKRLS PVPSPLSPRC PSPQQHHRIL LLPPLPSEGE VVFNEYPSRK NDVSSGFPSA DTLEPSSTTK VTETKGASPT SLRASQTWL V SEEASEKGLG PEKITAPPQH QLPPGIASEG FPCDNFKEQT AKDL PNKDGG VVWPGYRAGP PCPFLLHEEK EKTSRSELYL DLNPDQSPTE QDDRTPGRLQ AVWPPPKTKD TEEKVGLKYT |
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EAEYQAAILH LKREHKEEIE TLQAQFELKT FHIRGEHALV TARLEEAIEN LKQQLGKRRE
GCEEMRDVCI STDDDCSPKA FRNVCIQTDR ETFLKPCDAE SKATRSSHQIV PKKLTISLTQ
LSPSKDSKDI HAPFQTREGT SSSSQHKISP PAPPTPPPLP PPLIPPPPLP PPGLGPLPPA
PPIPPVCPVS PVPVPPPPPP TPVPPSDGPP PVPVPPPPPLP NVLALPNSGG PVPVPPPPPP
GLAPPPPPGL SFGLSSSSSQ YPRKPAIEPS CPMKPLYWTR IQINDKSQDA APTLWDSLEE
PHIRDTSEFE YLFSKDTTQQ KKKPLSEAYE KKNKVKKIHK LLDGKRSQTV GILISLHLE
MKDIQQAIFT VDDSVVDLET LAALYENRAQ EDELTKIRKY YETSKEEDLK LLDKPEQFLH
ELAQIPNFAE RAQCIIFRAV FSEGITSLHR KVEIVTRASK GLLHMKSVKD ILALILAFGN
YMNGGNRTRG QADGYSLEIL PKLKDVKS RD NGMNLVDYVV KYLYRYDQC KHHDQEASCR
GKDLFSLYFH IAVHPQRKSG LELKQEAGTD KSVFPLPEPQ DFFLASQVKF EDLLKDLRKL
KRQLEAQQ MKLVCKESPR EYLQPFKDKL EEFKKAKKE HKMEESHLEN AQKSFETTVG
YFGMKPKTGE KEVTPSYVFM VWFEFCSDFK TIWKRESKNI SKERLKMAQA SVSKLTSEKK
VETKKINPTA SLKERLRQKE ASVATN

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Fmn1 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made to order protein and will be made for the first time for your order. Our experts in the lab will ensure that you receive a correctly folded protein.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm.

The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use

Product Details

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| | the ExPASy's ProtParam tool to determine the absorption coefficient of each protein. |
| Purification: | Two step purification of proteins expressed in baculovirus infected SF9 insect cells: <ol style="list-style-type: none">1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot. |
| Purity: | >95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot. |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | Protein is endotoxin free. |
| Grade: | Crystallography grade |

Target Details

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| Target: | FMN1 |
| Alternative Name: | Fmn1 (FMN1 Products) |
| Background: | Plays a role in the formation of adherens junction and the polymerization of linear actin cables. {ECO:0000269 PubMed:14647292, ECO:0000269 PubMed:15198975}. |
| Molecular Weight: | 164.5 kDa Including tag. |
| UniProt: | Q05860 |
| Pathways: | Regulation of Actin Filament Polymerization |

Application Details

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| Application Notes: | In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
| Comment: | Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Buffer: | 100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -80 °C |
| Storage Comment: | Store at -80°C. |
| Expiry Date: | Unlimited (if stored properly) |

Images



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process