Datasheet for ABIN3092631

FMN1 Protein (AA 1-1419) (His tag)

1 Image

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Overview

Quantity:	1 mg
Target:	FMN1
Protein Characteristics:	AA 1-1419
Origin:	Human
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

Sequence:	MEGTHCTLQL HKPITELCYI SFCLPKGEVR GFSYKGTVTL DRSNKGFHNC YQVREESDII SLSQEPDEHP GDIFFKQTPT KDILTELYKL TTERERLLTN LLSSDHILGI TMGNQEGKLQ ELSVSLAPED DCFQSAGDWQ GELPVGPLNK RSTHGNKKPR RSSGRRESFG ALPQKRTKRK GRGGRESAPL MGKDKICSSH SLPLSRTRPN LWVLEEKGNL LPNGALACSL QRRESCPPDI PKTPDTDLGF GSFETAFKDT GLGREVLPPD CSSTEAGGDG IRRPPSGLEH QQTGLSESHQ DPEKHPEAEK DEMEKPAKRT CKQKPVSKVV AKVQDLSSQV QRVVKTHSKG KETIAIRPAA HAEFVPKADL LTLPGAEAGA HGSRRQGKER QGDRSSQSPA GETASISSVS ASAEGAVNKV PLKVIESEKL DEAPEGKRLG FPVHTSVPHT RPETRNKRRA GLPLGGHKSL FLDLPHKVGP DSSQPRGDKK KPSPPAPAAL GKVFNNSASQ SSTHKQTSPV PSPLSPRLPS PQQHHRILRL PALPGEREAA LNDSPCRKSR VFSGCVSADT LEPPSSAKVT ETKGASPAFL RAGQPRLVPG ETLEKSLGPG KTTAEPQHQS PPGISSEGFP WDGFNEQTPK DLPNRDGGAW VLGYRAGPAC PFLLHEEREK SNRSELYLDL HPDHSLTEQD DRTPGRLQAV WPPPKTKDTE EKVGLKYTEA

EYQAAILHLK REHKEEIENL QAQFELRAFH IRGEHAMITA RLEETIENLK HELEHRWRGG CEERKDVCIS TDDDCPPKTF RNVCVQTDRE TFLKPCESES KTTRSNQLVP KKLNISSLSQ LSPPNDHKDI HAALQPMEGM ASNQQKALPP PPASIPPPPP LPSGLGSLSP APPMPPVSAG PPLPPPPPPP PPLPPPSSAG PPPPPPPPPL PNSPAPPNPG GPPPAPPPPG LAPPPPPGLF FGLGSSSSQC PRKPAIEPSC PMKPLYWTRI QISDRSQNAT PTLWDSLEEP DIRDPSEFEY LFSKDTTQQK KKPLSETYEK KNKVKKIIKL LDGKRSQTVG ILISSLHLEM KDIQQAIFNV DDSVVDLETL AALYENRAQE DELVKIRKYY ETSKEEELKL LDKPEQFLHE LAQIPNFAER AQCIIFRSVF SEGITSLHRK VEIITRASKD LLHVKSVKDI LALILAFGNY MNGGNRTRGQ ADGYSLEILP KLKDVKSRDN GINLVDYVVK YYLRYYDQEA GTEKSVFPLP EPQDFFLASQ VKFEDLIKDL RKLKRQLEAS EKQMVVVCKE SPKEYLQPFK DKLEEFFQKA KKEHKMEESH LENAQKSFET TVRYFGMKPK SGEKEITPSY VFMVWYEFCS DFKTIWKRES KNISKERLKM AQESVSKLTS EKKVETKKIN PTASLKERLR QKEASVTTN

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.
- Human 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 receival 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 the Expasy's protparam tool to determine the absorption coefficient of each protein.

Product Details

Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: 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

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:0000250}.
Molecular Weight:	158.5 kDa Including tag.
UniProt:	Q68DA7
Pathways:	Regulation of Actin Filament Polymerization

Application Details

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 gurantee though.
Comment:	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

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

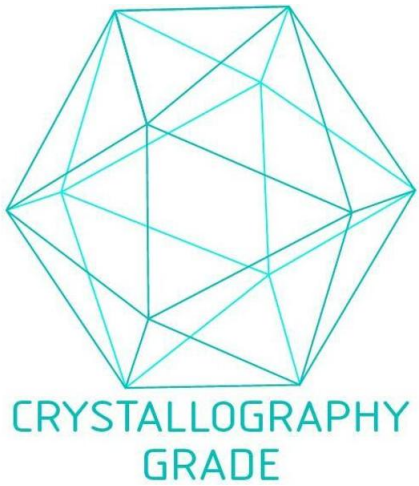

Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process