

Datasheet for ABIN3130986

**MMS22-Like, DNA Repair Protein (MMS22L) (AA 1-1238)  
protein (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	1 mg
Target:	MMS22-Like, DNA Repair Protein (MMS22L)
Protein Characteristics:	AA 1-1238
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Sequence:	MDGCSAASTF LTDSLELELG TEWCKPPCFS CAFDNREGKF SGESYLASGA LKRLILNLDP LPTNFEEDTV ELFGFQWVTE TALVYSCREL FHLFRQQIFN LESLVQVSCD FGKIATLHAK ADSIRQQCVV FLHYIKVFIF RCLKVQEAES HSRPAHPYEA LEAQLPSMLV DELRGLLLYI GHLAALPSVT VGAFVNQNM KLFPPSWHLL HLYLDTHWLV LEILHILGEK LKQVVYGRQF IGQAGDNLTN VSLFEEHCEH LFCDLICLSL NRFDKVMPS E ALLISHCPCS CVKELWVLLI HLLDHRKWS VADSFWNWLN KLLRTLFEKS SDQRRSSVSL TQAKDPLGFS WWISVHVASL YQIDRHGVSD KMKQMESNWS FIEELLKRSV TVQDSILEEQ LRMHLHCCLT LCDFWEPNIS VVTILWEYYS KNLNSSFSIS WLPLKGLTNI IKSPLSMLTL VRNCCSDKQD PDLYKSSSSY IIFLCILAKV VKKAMRTSGP HPWKQVKGRI YSKFHQKRME ELTEVGLQNF FSLFLLAAV AEIEDVASHV LDLLRFLRPA SMSSHGALVW KGQMAFLLMY AQKNLDIGVW AEKLSCEFQE KAKEFLVSKN DEMVQRHALW TLLCIYIDGV QEVFETSSCL YPSHEHLLND GFSMILLPACR ESELRTVLNF LQAVLARIRS VHQQLCQELQ RENVDLTVQS SLSAKERPLA AVAGALWRHF
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FSFLKSQRMT QVVPLSQLAD AAADFTLLAV DMPNTAPPDL QPQPVISIIQ LFGWDDIWP  
QVVARYLSHL LQNSTVYEAL SQSSCVSSQS LTIRSWVRCV LQMHIKHLSD PDLLIDVNPE  
QAVEKEYMEQ LAEMTRLLFT LSEVKSVFSK AQIEQLPSPD DPKQALIQFL EAVGVTYRTL  
QTFSDKSAMV TKSLEYLGEV LKYIKPYLGK KVSSAGLQLT YGIMGILVKS WAHIFATSKA  
QKLLFRIIDC LLLPHTVLQQ DKELPGPMLT AIQKTLPLYL QGICIVCCQS QNPAYLNQL  
LRNVIEQYIG RFLPTSPCVS DLGQHPVLLA LRNPASVPSM TPLRKHTVHA IRKSYLEFKG  
SSPPRLASV LAFVLQLFKD TEMGACDLEL LLPGILKCLV LVNEPQVKKL ATENLQCMVQ  
TCQVGSEGGP ATQLTSLFRQ FIQDYGMQYS YQVYSILETV ATLNQHVVIQ LIPTLTQSLK  
DSELKWGLGR NIAQREAYSR LLSGLGQVGQ GEKQRLEK

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

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### Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Mms22l 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 the Expasy's protparam tool to determine the absorption coefficient of each protein.

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### 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

## Product Details

- 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:	MMS22-Like, DNA Repair Protein (MMS22L)
Alternative Name:	Mms22l ( <a href="#">MMS22L Products</a> )
Background:	Component of the MMS22L-TONSL complex, a complex that stimulates the recombination-dependent repair of stalled or collapsed replication forks. The MMS22L-TONSL complex is required to maintain genome integrity during DNA replication by promoting homologous recombination-mediated repair of replication fork-associated double-strand breaks. It may act by mediating the assembly of RAD51 filaments on ssDNA (By similarity). {ECO:0000250}.
Molecular Weight:	141.5 kDa Including tag.
UniProt:	<a href="#">B1AUR6</a>

## 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 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

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