

Datasheet for ABIN7562032

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

Overview

Quantity: 1 mg

Target: MMS22-Like, DNA Repair Protein (MMS22L)

Protein Characteristics: AA 1-1238

Origin: Mouse

Source: HEK-293 Cells

Protein Type: Recombinant

Purification tag / Conjugate: His tag

Product Details

Purpose: Custom-made recombinant Mms22l Protein expressed in mammalian cells.

Sequence: MDGCSAASTF LTDSLELELG TEWCKPPCFS CAFDNREGKF SGESYLASGA LKRLILNLDP
LPTNFEEDTV ELFGFQWVTE TALVYSCREL FHLFRQQIFN LESLVQVSCD FGKIATLHAK
ADSIRQQCVV FLHYIKVFIF RCLKVQEAES HSRPAHPYEA LEAQLPSMLV DELRGLLLYI
GHLAALPSVT VGAFVNQNQM KLFPPSWHLL HLYLDTHWLVL LEILHILGEK LKQVVYGRQF
IGQAGDNLTN VSLFEEHCEH LFCDLICLSL NRFDKVMPSE ALLISHCPCS CVKELWLLI
HLLDHRRKWS VADSFWNWLN KLLRTLFEKS SDQRRSSVSL TQAKDPLGFS WWISVHVASL
YQIDRHGVSD KMKQMESNWS FIEELLKRSV TVQDSILEEQ LRMHLHCCLT LCDFWEPNIS
VVTILWEYYS KNLNSSFSIS WLPLKGLTNI IKSPLSMLTL VRNCCSDKQD PDLYKSSSSY
IIFLCILAKV VKKAMRTSGP HPWKQVKGRI YSKFHQKRME ELTEVGLQNF FSLFLLLAHV
AEIEDVASHV LDLLRFLRPA SMSSHGALVW KGQMAFLLMY AQKNLDIGVW AEKLSCEFQE
KAKEFLVSKN DEMVQRHALW TLLCIYIDGV QEVFETSSCL YPSHEHLLND GFSMLLPACR
ESELRTVLNF LQAVLARIRS VHQQLCQELQ RENVDLTVQS SLSAKERPLA AVAGALWRHF

Product Details

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 ATLNQHVVIIQ LIPTLTQSLK
DSELKWGLGR NIAQREAYSR LLSGLGQVGQ GEKQRLEK **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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 try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: MMS22-Like, DNA Repair Protein (MMS22L)

Target Details

Alternative Name:	Mms22l (MMS22L Products)
Background:	Protein MMS22-like (Methyl methanesulfonate-sensitivity protein 22-like),FUNCTION: Component of the MMS22L-TONSL complex, a complex that promotes homologous recombination-mediated repair of double-strand breaks (DSBs) at stalled or collapsed replication forks. The MMS22L-TONSL complex is required to maintain genome integrity during DNA replication. It mediates the assembly of RAD51 filaments on single-stranded DNA (ssDNA): the MMS22L-TONSL complex is recruited to DSBs following histone replacement by histone chaperones and eviction of the replication protein A complex (RPA/RP-A) from DSBs. Following recruitment to DSBs, the TONSL-MMS22L complex promotes recruitment of RAD51 filaments and subsequent homologous recombination. Within the complex, MMS22L acts by binding ssDNA. {ECO:0000250 UniProtKB:Q6ZRRQ5}.
Molecular Weight:	140.6 kDa
UniProt:	B1AUR6

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition 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:	12 months