



Recombinant Human MCM2 Protein Product Manual

1. Product Basic Information

Product No.: REP07426

Protein Name: Cyclin-Like Nuclear Protein Bm28 (MCM2)

Aliases: BM28; CCNL1; CDCL1; cdc19; DFNA70; D3S3194; MITOTIN; cyclin-like nuclear protein BM28; minichromosome maintenance protein 2 homolog

UniProt ID: P49736

UniProt Link: <https://www.uniprot.org/uniprotkb/P49736/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (2-904aa)

Molecular Weight: 105.8kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (2-904aa)

AESSESFTMASSPAQRRRGNDPLTSSPGRSSRRTDALTSPPGRDLPPFEDESEGL
LGTEGPLLEEEEDGEELIGDGMERDYLRAIPELDAYEAEGALDDEDVEELTASQREA
AERAMRQRDREAGRGLGRMRRGLLYDSDEEDEERPARKRRQVERATEDGEEDE
EMIESIENLEDLKGHSVREWVSMAGPRLEIHHRFKNFLRTHVDSHGHNFKERISD
MCKENRESLVVNYEDLAAREHVLAYFLPEAPAEELLQIFDEAALEVVLAMYPKYDRIT
NHIHVRISHLPLVEELRSLRQLHLNQLIRTSGVVTSTGVLPLQLSMVKYCNKCNFV
LGPFQCSQNQEVPKPGSCPECQSAGPFVEVNMEETIYQNYQRIRIQESPGKVAAGRL
PRSKDAILLADLVDSCKPGDEIELTGIYHNNYDGSNTANGFPVFATVILANHVAKKD
NKVAVGELTDEDVKMITSLSKDQQIGEKIFASIAPSIYGHEDIKRLALALFGGEPKNP
GGKHKVVRGDINVLLCGDPGTAKSQFLKYIEKVSSRAIFTTGQGASAVGLTAYVQRH
PVSREWTLAAGALVLADRGVCLIDEFDKMNDQDRTSIHEAMEQQSISISKAGIVTSL
QARCTVIAAANPIGGRYDPSLTFSENVDLTEPIISRFDILCVVRDTPVQDEMLARF
VVGSHVRHHPSNKEEEGLANGSAAEPAMPNTYGVEPLPQEVLLKKYIYAKERVHPK
LNQMDQDKVAKMYSDLRKESMATGSIPITVRHIESMIRMAEAHARIHLRDYVIEDDV
NMAIRVMLESFIDTQKFSVMRSMRKTFFARYLSFRDNNELLLFILKQLVAEQVTYQR
NRFGAQQDTIEVPEKDLVDKARQINIHNLAFYDSELFMRNKFSDHLKRMILQQF

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human MCM2 full length of mature protein protein (2-904aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. MCM2, also known as BM28 or CCNL1 or CDCL1, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.