

Datasheet for ABIN7563621

MCM10 Protein (AA 1-885) (His tag)



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Overview

Quantity:	1 mg
Target:	MCM10
Protein Characteristics:	AA 1-885
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MCM10 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Mcm10 Protein expressed in mammalian cells.
Sequence:	<p>MDVEEDDLCL LTSLEESEA VLPCSSSEKDK SLSLGDGDPD EFDELFDADG DGESYTEEAG</p> <p>SGEKGKTGNQ EERLATLFGD VEDLTDEVA TSKVGNSSGPP PAPSQEKTS ELQDELKKLQ</p> <p>EQMKSLQEQK KAASIKQPPG TAPLQEPDPS SLQPLLKEKR IRIQESACF SAELDVPTLP</p> <p>KAKRVARKPK TPAESSRMR TPAQLQVSS SFLEPNHSSS SRSSTPSPQA VPGNKCSRTI</p> <p>RNQNTVSPGN SGDRPQQVSQ VSVEAFSGLR LRRPRVSSTE MSRKMAGRKL IRLPQIKEKM</p> <p>ATENLEETDW VTFGVILRKV TPQSATSGQT FSIWKLNDLH DLTQCVSLFL FGDVHKDLWK</p> <p>TEQGTVIGLL NANPMKPKDG LKEVCLSIDH PQKVLIMGEA MDLGACKAKK KNGEPTQTQV</p> <p>NLHDCEYCQY HIQAQYKKLS AKRTDLQSTF SGGRIKKFR KGTSKRLC QDGFYGGVS</p> <p>SESFAASRAA AIAPKKKVQT TLNLVVRGT NSIIQETKQK LGIPQKSLSC SEEFRELMAL</p> <p>PTFGARNLQK HLAARAKSGS SKPAIQSISA SALLKQKQKQ MLEMRRKRSE DIQKRFLQSS</p> <p>SEVQSPAVPS SSRQAAQSP RTGAFFPRLE GTATPRMPKL GRGISEGDDV LFFDDSPPPR</p>

PKLSAAAEAK KLAIAKLRA KGQILTKVDP NNTVRKQMDG RAMLGVKERV ENSNTVSPEE
ELEPARKKRR EQLAYLESEE FQKILKAKSK HTDILKEAEA ELQKSYFEPL VKKEQMEEKM
RATREVKCRV VTCRTCTYTH FKPLETCVSE QHNLHWHDGV KRFFKCPCGN RTISLDKLPN
KHCRNCGLYK WERDGMLEKEK TGPKIGGETL LPRGEEHAKF LNSLK **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.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	MCM10
Alternative Name:	Mcm10 (MCM10 Products)
Background:	<p>Protein MCM10 homolog,FUNCTION: Acts as a replication initiation factor that brings together the MCM2-7 helicase and the DNA polymerase alpha/primase complex in order to initiate DNA replication. Additionally, plays a role in preventing DNA damage during replication. Key effector of the RBBP6 and ZBTB38-mediated regulation of DNA-replication and common fragile sites stability, acts as a direct target of transcriptional repression by ZBTB38 (By similarity).</p> <p>{ECO:0000250 UniProtKB:Q7L590}.</p>

Target Details

Molecular Weight:	98.4 kDa
UniProt:	Q0VBD2
Pathways:	Mitotic G1-G1/S Phases, DNA Replication

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.
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