

Datasheet for ABIN7554537
MCM10 Protein (AA 1-875) (His tag)



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Overview

Quantity:	1 mg
Target:	MCM10
Protein Characteristics:	AA 1-875
Origin:	Human
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 mammalien cells.
Sequence:	MDEEEDNLSL LTALLEENES ALDCNSEENN FLTRENGEPD AFDELFDADG DGESYTEEAD DGETGETRDE KENLATLFGD MEDLTDEEEV PASQSTENRV LPAPAPPREK TNEELQEELR NLQEQMKALQ EQLKVTTIKQ TASPRLQKS PVEKSPRPPL KERRVQRIQE STCFSAELDV PALPRTKRVA RTPKASPPDP KSSSRMTSA PSQPLQTISR NKPSGITRGQ IVGTPGSSGE TTQPICVEAF SGLRLRRPRV SSTEMNKKMT GRKLIRLSQI KEKMAREKLE EIDWVTFGVI LKKVTPQSVN SGKTFSIWKL NDLRDLTQCV SLFLFGEVHK ALWKTEQGTV VGILNANPMK PKDGSEEVCL SIDHPQKVL I MGEALDLGTC KAKKKNGEPC TQTVNLRDCE YCQYHVQAQY KKLSAKRADL QSTFSGGRIP KKFARRGTS L KERLCQDGFY YGGVSSASYA ASIAAAVAPK KKIQTTLNL VVKGTNLIQ ETRQKLGIPQ KSLSCSEEFK ELMDLPTCGA RNLKQHLAKA TASGIMGSPK PAIKSISASA LLKQKQRM L EMRRRKSEEI QKRFLQSSSE VESPAVPSSS RQPPAQPRT GSEFPRLEGA PATMTPKLGR GVLEGDDVLF YDESPPRPK LSALAEAKKL

Product Details

AAITKLRAKG QVLTKTNPNS IKKKQKDPQD ILEVKERVEK NTMFSSQAED ELEPARKKRR
EQLAYLESEE FQKILKAKSK HTGILKEAEA EMQERYFEPL VKKEQMEEKM RNIREVKCRV
VTCKTCAYTH FKLETCVSE QHEYHWHDGV KRFFKPCPGN RSISLDRLPN KHCSNCGLYK
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:

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, Western Blot

Grade:

custom-made

Target Details

Target:

MCM10

Alternative Name:

MCM10 ([MCM10 Products](#))

Background:

Protein MCM10 homolog (HsMCM10),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 (PubMed:24726359). {ECO:0000269|PubMed:11095689, ECO:0000269|PubMed:15136575,

Target Details

ECO:0000269|PubMed:17699597, ECO:0000269|PubMed:19608746,
ECO:0000269|PubMed:24726359, ECO:0000269|PubMed:32865517}.

Molecular Weight: 98.2 kDa

UniProt: [Q7L590](#)

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