

Datasheet for ABIN5853499
MCM7 Protein (AA 1-414) (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	MCM7
Protein Characteristics:	AA 1-414
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MCM7 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence: MGSSHHHHHH SSSLVPRGSH MGSMVVATYT CDQCGAETYQ PIQSPTFMPL IMCPSQECQT
NRSGRRLYLQ TRGSRFIKQ EMKMQEHSQ VPVGNIPRSI TVLVEGENTR IAQPGDHVSV
TGIFLPILRT GFRQVVQGLL SETYLEAHRI VKMNKSEDDE SGAGELTREE LRQIAEEDFY
EKLAASIAPE IYGHEDVKKA LLLLLVGGVD QSPRGMKIRG NINICLMGDP GVAKSQLLSY
IDRLAPRSQY TTGRGSSGVG LTAAVLRDSV SGELTLEGA LVLADQGVCC IDEFDKMAEA
DRTAIHEVME QQTISIAKAG ILTTLNARCS ILAAANPAYG RYNPRRSLEQ NIQLPAALLS
RFDLLWLIQD RPDRDNDLRL AQHITYVHQH SRQPPSQFEP LDMKLMRRYI AMCREKQPMV
PESLADYITA AYVEMRR

Purity: > 85 % by SDS - PAGE

Target Details

Target: MCM7

Target Details

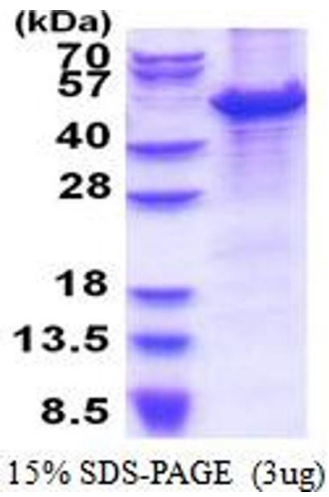
Alternative Name:	MCM7 (MCM7 Products)
Background:	MCM7 is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are essential for the initiation of eukaryotic genome replication. The hexameric protein complex formed by the MCM proteins is a key component of the pre-replication complex (pre_RC) and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. The MCM complex consisting of this protein and MCM2, 4 and 6 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. Cyclin D1-dependent kinase, CDK4, is found to associate with this protein, and may regulate the binding of this protein with the tumorsuppressor protein RB1/RB. Recombinant human MCM7 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Molecular Weight:	48.6kDa (437aa)
NCBI Accession:	NP_877577
UniProt:	P33993
Pathways:	DNA Damage Repair , Mitotic G1-G1/S Phases , DNA Replication , Chromatin Binding , Synthesis of DNA

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Denatured
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M uREA, 10 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.