abcam

Product datasheet

Recombinant Human MCM7/PRL protein (denatured) ab177663

1 Image

Description

Product name	Recombinant Human MCM7/PRL protein (denatured)
Purity	> 85 % SDS-PAGE.
Expression system	Escherichia coli
Accession	P33993
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMVVATYT CDQCGAETYQ PIQSPTFMPL IMCPSQECQT NRSGGRLYLQ TRGSRFIKFQ EMKMQEHSDQ VPVGNIPRSI TVLVEGENTR IAQPGDHVSV TGIFLPILRT GFRQVVQGLL SETYLEAHRI VKMNKSEDDE SGAGELTREE LRQIAEEDFY EKLAASIAPE IYGHEDVKKA LLLLLVGGVD QSPRGMKIRG NINICLMGDP GVAKSQLLSY IDRLAPRSQY TTGRGSSGVG LTAAVLRDSV SGELTLEGGA LVLADQGVCC IDEFDKMAEA DRTAIHEVME QQTISIAKAG ILTTLNARCS ILAAANPAYG RYNPRRSLEQ NIQLPAALLS RFDLLWLIQD RPDRDNDLRL AQHITYVHQH SRQPPSQFEP LDMKLMRRYI AMCREKQPMV PESLADYITA AYVEMRR
Predicted molecular weight	49 kDa including tags
Amino acids	1 to 414
Tags	His tag N-Terminus
Additional sequence information	(NCBI Accession No.: NP_877577)

Specifications

Our **Abpromise guarantee** covers the use of **ab177663** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid
Additional notes	This product was previously labelled as MCM7

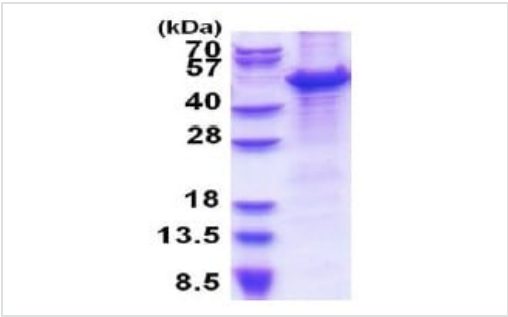
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.32% Tris HCl, 2.4% Urea, 10% Glycerol (glycerin, glycerine)

General Info

Function	Acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. The active ATPase sites in the MCM2-7 ring are formed through the interaction surfaces of two neighboring subunits such that a critical structure of a conserved arginine finger motif is provided in trans relative to the ATP-binding site of the Walker A box of the adjacent subunit. The six ATPase active sites, however, are likely to contribute differentially to the complex helicase activity. Required for S-phase checkpoint activation upon UV-induced damage.
Sequence similarities	Belongs to the MCM family. Contains 1 MCM domain.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Nucleus.

Images



SDS-PAGE - Recombinant Human MCM7/PRL protein (denatured) (ab177663)

15% SDS-PAGE analysis of ab177663 (3 µg)

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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