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Datasheet for ABIN7505291

MCM8 Protein (AA 1-250) (His tag)

Overview

Quantity:	100 µg
Target:	MCM8
Protein Characteristics:	AA 1-250
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MCM8 protein is labelled with His tag.

Product Details

Sequence:	Met 1-Ser 250
Characteristics:	A DNA sequence encoding the Human MCM8 protein (Q9UJA3) (Met 1-Ser 250) was expressed with a C-His,N-His.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	MCM8
Alternative Name:	MCM8 (MCM8 Products)
Background:	Abbreviation: MCM8 Target Synonym: DNA helicase MCM8,MCM8,Minichromosome maintenance 8 Background: Component of the MCM8-MCM9 complex, a complex involved in homologous recombination repair following DNA interstrand cross-links and plays a key role during

Target Details

gametogenesis. The MCM8-MCM9 complex probably acts as a hexameric helicase downstream of the Fanconi anemia proteins BRCA2 and RAD51 and is required to process aberrant forks into homologous recombination substrates and to orchestrate homologous recombination with resection, fork stabilization and fork restart.

Molecular Weight: Calculated MW: 27.39 kDa
 Observed MW: 35 kDa

UniProt: [Q9UJA3-1](#)

Pathways: [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Synthesis of DNA](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
 Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
 Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months