

SPECIFICATION SHEET

Product Name: Recombinant Minichromosome Maintenance Deficient 5 (MCM5)

Catalog #: L2C03301

SYNONYMS: CDC46; P1-CDC46; Cell Division Cycle 46; DNA replication licensing factor MCM5

Source: E. Coli **Species:** Homo sapiens

Molecular weight: 95KD (with Tag protein)

Concentration: **Lot #:**

Purity : >95% by SDS-PAGE

Formulation : The MCM5 solution contains 10mM PBS (pH 7.4) ,0.1%SKL, 1mMEDTA.

Application: ELISA; Positive Control; Immunogen; SDS-PAGE; WB. Other applications have not been tested .

Storage & Expiration: Upon receipt, aliquot and store at <-20°C .for long term.Avoid repeated freeze and thaw cycles.

Background: MCM5 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 (By similarity). Interacts with MCMBP.

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