Recombinant Human MCM10 293 Cell Lysate

Cat. No. MCM10-4421HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for minichromosome maintenance complex component 10 (MCM10), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	MCM10 minichromosome maintenance complex component 10 [Homo sapiens]
Official Symbol	MCM10
Synonyms	MCM10; minichromosome maintenance complex component 10; MCM10 minichromosome maintenance deficient 10 (S. cerevisiae); protein MCM10 homolog; CNA43; DNA43; PRO2249; hsMCM10; homolog of yeast MCM10; MCM10 minichromosome maintenance deficient 10; MGC126776;
Gene ID	55388
mRNA Refseq	NM_018518
Protein Refseq	NP_060988
MIM	609357
UniProt ID	Q7L590
Chromosome Location	10p13
Pathway	Activation of ATR in response to replication stress, organism-specific biosystem; Activation of the pre-replicative complex, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem;

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	Cell Cycle, Mitotic, organism-specific biosystem; DNA Replication, organism-specific biosystem; DNA Replication, organism-specific biosystem;
Function	metal ion binding; protein binding;

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