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Product datasheet for TP510265

Mcm7 (NM_008568) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse minichromosome maintenance complex component 7 (Mcm7), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210265 protein sequence Red=Cloning site Green=Tags(s) MALKDYAIEKEKVKKFLQEFYYENELGKKQFKYGTQLVHLAHREQVALYVDLDDIAEDDPELVDSICENA KRYSRLFGDVVQELLPEYKEKEVVNKDVLDVYIEHRLMMEQRSRDPGAVRNPQNQYPSELMRRFELYFRG PSSSKPRVIREVRADSVGKLLTVRGIVTRVSEVKPRMVVATYTCDQCGAETYQPIQSPTFMPLIMCPSQE CQTNRSGGRLYLQTRGSKFVKFQEMKIQEHSDQVPVGNIPRSITVVLEGENTRIAQPGDHVSVTGIFLPV LRTGFQQMAQGLLSETYLEAHWIVKMTKSDDDVSGAGELSSEELKQIAEEDFYEKLAASIAPEIYGHEDV KKALLLLLVGGVDQSPQGMKIRGNIHICLMGDPGVAKSQLLSYIDRLAPRSQYTTGRGSSGVGLTAAVLR DSVSGELTLEGGALVLADQGVCCIDEFDKMAEADRTAIHEVMEQQTISIAKAGILTTLNARCSILAAANP AYGRYNPRRSLEQNVQLPAALLSRFDLLWLIQDRPDRDNDLRLAQHITYVHQHSRQPPAQFEPLDMKLMR RYIAMCHERQPTVPESLADYITAAYVEMRREARASKDATYTSARTLLAILRLSTALARLRMVDIVEKEDV NEAIRLMEMSKDSLLGEKGQTARTQRPADVIFATIRELVSRGRSVHFSEAEQRCISRGFTPAQFQAALDE YEELNVWQVNTSRTRITFV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	81.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.

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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_032594
Locus ID:	17220
UniProt ID:	Q61881, Q3U4T8
RefSeq Size:	2396
Cytogenetics:	5 G2
RefSeq ORF:	2160
Synonyms:	AI747533; mCDC47; Mcmd7
Summary:	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.[UniProtKB/Swiss-Prot Function]