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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

MCM6 (Human) Recombinant Protein (P01)

Catalog Number: H00004175-P01

Regulation Status: For research use only (RUO)

Product Description: Human MCM6 full-length ORF (NP_005906.2, 1 a.a. - 821 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MDLAAAAPGAGSQHLEVRDEVAEKQKFLDFLEEF
QSSDGEIKYLQAEELIRPERNTLVVSFVDLEQFNQQL
STTIQEEFYRVYPYLCRALKTFVKDRKEIPLAKDFYVAF
QDLPTRHKIRELTSSRIGLLTRISGQVVRTHPVHPELVS
GTFLCLDCQTVIRDVEQQFKYTQPNICRNPCANRRR
FLDNTKSRFVDFQKVRIQETQAE LPRGSIPRSLEVILR
AEAVESAQAGDKCDFGTGLIVVPDVSKLSTPGARAET
NSRVSGVDGYETEGIRGLRALGVRDLSYRLVFLACCV
APTNPFRGGKELRDEEQTAESIKNQMTVKEWEKVE
MSQDKNLYHNLCTSLFPTIHGNDEVKRGVLLMLFGGV
PKTTGEGTSLRGDINVCIVGDPSTAKSQFLKHVEEFSP
RAVYTSKGASSAAGLTAAVVRDEESHEFVIEAGALMLA
DNGVCCIDEFDKMDVRDQVAIHEAMEQQTISITKAGVK
ATLNARTSILAAANPISGHYDRSKSLKQNINLSAPIMSR
FDLFFILVDECNEVTDYAIARRIVDLHSRIEESIDRVYSL
DDIRRYLLFARQFKPKISKESEDFIVEQYKHLRQRDGS
GVTKSSWRITVRQLESMIRLSEAMARMHCCDEVQPKH
VKEAFRLNKSIIIRVETPDVNLQEEEEIQMEVDEGAGGI
NGHADSPAPVNGINGYNEDINQESAPKASRLRGFSEY
CRISNLIVLHLRKVEEEEDESALKRSELVNWYLKEIESEI
DSEELINKKRIIEKVIHRLTHYDHVLIELTQAGLKGSTE
GSESYEEDPYLVVNPNYLLED

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 119.3

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4175

Gene Symbol: MCM6

Gene Alias: MCG40308, Mis5, P105MCM

Gene Summary: The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are essential for the initiation of eukaryotic genome replication. The hexameric protein complex formed by the MCM proteins is a key component of the pre-replication complex (pre-RC) and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. The MCM complex consisting of this protein and MCM2, 4 and 7 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. The phosphorylation of the complex by CDC2 kinase reduces the helicase activity, suggesting a role in the regulation of DNA replication. [provided by RefSeq]

References:

1. The selection and characterization of antibodies to minichromosome maintenance proteins that highlight cervical dysplasia. Henderson D, Hall L, Prpic N, Hessling J, Parker M, Sampson S, Simkins S, Brough G, Dixon E, Lenz K, Knapp S, Murphy P, Taylor A, Fischer T, Malinowski DP. J Immunol Methods. 2011 May 12. [Epub ahead of print]