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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

MCM3 (Human) Recombinant Protein (Q01)

Catalog Number: H00004172-Q01

Regulation Status: For research use only (RUO)

Product Description: Human MCM3 partial ORF (NP_002379, 699 a.a. - 808 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

AKDGDSYDPYDFSDTEEMPQVHTPKTADSQETKES
QKVELSESRLKAFKVALLDVLFREAHAQSIGMNRLTESI
NRDSEEPFSSVEIQAALSKMQDDNQVMVSEGIIFLI

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 37.84

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: 4172

Gene Symbol: MCM3

Gene Alias: HCC5, MGC1157, P1-MCM3, P1.h, RLF3

Gene Summary: The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are involved in the initiation of eukaryotic genome replication. The hexameric protein complex formed by 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. This protein is a subunit of the protein complex that consists of MCM2-7. It has been shown to interact directly with MCM5/CDC46. This protein also interacts with, and thus is acetylated by MCM3AP, a chromatin-associated acetyltransferase. The acetylation of this protein inhibits the initiation of DNA replication and cell cycle progression. [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]