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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

MCM10 (Human) Recombinant Protein (P01)

Catalog Number: H00055388-P01

Regulation Status: For research use only (RUO)

Product Description: Human MCM10 full-length ORF (NP_060988.3, 1 a.a. - 874 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MDEEDNLSLLTALLEENESALDCNSEENNFLTRENG
EPDAFDELFDADGDGESYTEEADDGETGETRDEKENL
ATLFGDMEDLTDEEEVPASQSTENRVLPAAPRREKT
NEELQEELRNLQE QMKALQEQLKVTTIKQTASPARLQ
KSPEKSPRPPLKERRVQRIQESTCFS AELDVPALPRTK
RVARTPKASPPDPKSSSRMTSAPSQPLQTISRNKPS
GITRGQIVGTPGSSGETTQPICVEAFSGLRLRRPRVSS
TEMNKKMTGRKLIRLSQIKEKMAREKLEEIDWVTFGVIL
KKVTPQSVNSGKTF SIWKLNDLRDLTQCVSLFLFGEVH
KALWKTEQGT VVGILNANPMKPKDGSEEVCLSIDHPQ
KVLIMGEALDLGTCKAKKNGEPCQT VNLRDCEY CQ
YHVQAQYK KLSAKRADLQSTFSGGRIPK KFARRG TSL
KERLCQDGFY YGGVSSAS YAASIAAAVAPKKKIQT TSL
NLVVKG TNLIIQETRQKLGIPQKSLSCSEEFKELMDLPT
CGARNLKQH LAKATASGIMGSPKPAIKSISASALLKQQ
KQRMLEMRRRKSEEIQKRFLQSSSEVESPAVPSSSRQ
PPAQPRTGSEFP RLEGAPATMTPKLG RGVLEGDDVL
FYDESPPPRPKLSALAEAKKLA AITKLRAKGQVLLTKTN
PNSIKKKQKDPQDILEVKERVEKNTMFSSQA EDELEPA
RKKRREQLAYLESEEFQKILKAKSKHTGILKEAE AEMQ
ERYFEPLVKKEQMEEKMRNIREVKCRVVTCKTCAYTH
FKLLETVCVSEQHE YHWHDGVKRFFKPCG NR SISR
LDR LPNKHCSNCGLYKWERDGM LKEKTGP KIGGETLLPRG
EEHAKFLNSLK

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 124.5

Interspecies Antigen Sequence: Mouse (74); Rat (76)

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: 55388

Gene Symbol: MCM10

Gene Alias: CNA43, DNA43, MGC126776, PRO2249

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 it may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. This protein can interact with MCM2 and MCM6, as well as with the origin recognition protein ORC2. It is regulated by proteolysis and phosphorylation in a cell cycle-dependent manner. Studies of a similar protein in *Xenopus* suggest that the chromatin binding of this protein at the onset of DNA replication is after pre-RC assembly and before origin unwinding. Alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq]