DNA Damage Checkpoint Control Protein MEC3 (MEC3) Ashbya Gossypii Recombinant Protein

PRODUCT OVERVIEW

Product Name	DNA damage checkpoint control protein MEC3 (MEC3), Recombinant Protein
Full Product Name	Recombinant Ashbya gossypii DNA damage checkpoint control protein MEC3 (MEC3)
Product Gene Name	MEC3 recombinant protein
Product Synonym Gene Name	MEC3; AGR289C
Product Synonym Names	DNA damage checkpoint control protein MEC3
Sequence	MKLKLVIDSD SDDYRLFKTT ISTVAQLRKT AVLRFTTDRL IVVSTPKTAA SGAILSGDQG QLWCTIPRDI FTLYNVASIR EQNAIAMECQ CDSLVNVLRR YERCNHGPLT IKLQSTPEWN QVHTGIQQGE ENKPMGNPIC ALSCAFTEHL GYEDSGKEVS HVFKVGVRLL YKSQDARIVE PMVNYTKLLM FQLPPVNGEY GSKFTSFVKR LDRYATLNHL MIYGDRNSDR SDEGRLRLLV QELDWKLDVQ WRGPLEMIVQ DDQPSAVPAS EPGLVGNVRH LNAGTSMQIE DSEMDIEATD IGNVSTSRPS TSVSPQEQTS QVFIKAKDWK VCSKLYDSFE EVVLAISHDE SCVLHCSLDR GTVDEHSTKS KERGQIIYYM ARSKPL
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	43,488 Da
Sequence Positions	1-386aa; full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q74ZB0
Species	Ashbya gossypii (strain 10895 / CBS 109.51 / FGSC 9923 / NRRL Y-1056) (Yeast) (Eremothecium gossypii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MEC3 recombinant protein	MBS1339217 is a recombinant protein targeting MEC3. Also known as Recombinant Ashbya gossypii DNA damage checkpoint control protein MEC3 (MEC3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MEC3 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MEC3. It may not necessarily be applicable to this product.

NCBI GI #	302309516
NCBI GeneID	4623257

NCBI Accession #	NP_986955.2
UniProt Primary Accession #	Q74ZB0
UniProt Related Accession #	Q74ZB0
GenBank Nucleotide #	NM_212017.2
NCBI Official Full Name	AGR289Cp
NCBI Official Symbol	AGOS_AGR289C
UniProt Protein Name	DNA damage checkpoint control protein MEC3
Protein Family	DNA damage checkpoint control protein
UniProt Gene Name	MEC3
UniProt Entry Name	MEC3_ASHGO
NCBI Protein Information	AGR289Cp
UniProt Comments for MEC3	Component of the checkpoint clamp complex involved in the surveillance mechanism that allows the DNA repair pathways to act to restore the integrity of the DNA prior to DNA synthesis or separation of the replicated chromosomes.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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