Non-Structural Maintenance of Chromosomes Element 1 Homolog (nsmce1) Xenopus Tropicalis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Non-structural maintenance of chromosomes element 1 homolog (nsmce1), Recombinant Protein
Full Product Name	Recombinant Xenopus tropicalis Non-structural maintenance of chromosomes element 1 homolog (nsmce1)
Product Gene Name	nsmce1 recombinant protein
Product Synonym Gene Name	nsmce1
Sequence	MAEQINESHQ RFLQVLMSHG IMESSLVRAL HRHCCEVHKV NYMHDNLDDF VGVLNKHLQP LFMKIEKGVG EEDGLTYYAL VNRVENDITK MASDYAENEL ELFRKTMELI IISENGFAPP ISILNLADEL QSKKMKKKEV EQLLQSFVQD KWLIGRNGEY TLHTRCIMEL EHYILNTYQD VAKICNVCHK IAIQCQLCEN CGIPLHLQCA GIYFRGIANP LCPNCKESWP HEIPDLSQVS SQGPSHSQAA PVRGRNQRSR NISTVARTSR
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	30,904 Da
Sequence Positions	1-270, 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 Q6P881
Species	Xenopus tropicalis (Western clawed frog) (Silurana tropicalis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nsmce1 recombinant protein	MBS1427364 is a recombinant protein targeting nsmce1. Also known as Recombinant Xenopus tropicalis Non-structural maintenance of chromosomes element 1 homolog (nsmce1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nsmce1 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 nsmce1. It may not necessarily be applicable to this product.

NCBI GI #	45360681
NCBI GeneID	394610
NCBI Accession #	NP_989014.1
UniProt Primary Accession #	Q6P881

UniProt Related Accession #	Q6P881
GenBank Nucleotide #	NM_203683.1
NCBI Official Full Name	non-structural maintenance of chromosomes element 1 homolog
NCBI Official Synonym Full Names	NSE1 homolog, SMC5-SMC6 complex component
NCBI Official Symbol	nsmce1
UniProt Protein Name	Non-structural maintenance of chromosomes element 1 homolog
UniProt Gene Name	nsmce1
UniProt Synonym Gene Names	Non-SMC element 1 homolog
NCBI Protein Information	non-structural maintenance of chromosomes element 1 homolog
UniProt Comments for nsmce1	Component of the SMC5-SMC6 complex, a complex involved in repair of DNA double-strand breaks by homologous recombination. The complex may promote sister chromatid homologous recombination by recruiting the SMC1-SMC3 cohesin complex to double-strand breaks. The complex is required for telomere maintenance via recombination and mediates sumoylation of shelterin complex (telosome) components. Has in vitro ubiquitin ligase activity in presence of nsmce3. Is involved in positive regulation of response to DNA damage stimulus ().
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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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