Structure-Specific Endonuclease Subunit SLX1 Homolog (slx1) Drosophila Melanogaster Recombinant Protein

PRODUCT OVERVIEW

Product Name	Structure-specific endonuclease subunit SLX1 homolog (slx1), Recombinant Protein
Full Product Name	Recombinant Drosophila melanogaster Structure-specific endonuclease subunit SLX1 homolog (slx1)
Product Gene Name	slx1 recombinant protein
Product Synonym Gene Name	slx1
Sequence	MNSYDPQDTA SQQEESVALK GHFYGVYLLC SQSLDPRYRG KCYVGFTVNP KRRIRQHNLG CDFGGARKTS RKGPWLMVMI VHGFPNNTVA LQFEWAWQQP SLSTRLKMYP ELKRKLPRET FFDYNFRILS NMLGVGPWNR LPLTVRWLET DYERPFSKAL PKHMEIVSGK VSISASQRRR PDDAVPPPPV AWASECHLCM QEMEQPEKSR LGCTNQMCRL TCHMVCLANY LLGDEPGHYI PVGGECPLCE TRLSWAALLQ RKRLLLGVPE ELQDHDEDLS DDIDVDSDIE DTPELSD
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	34,092 Da
Sequence Positions	1-297, 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 Q9VN41
Species	Drosophila melanogaster (Fruit fly)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for slx1 recombinant protein	MBS1346315 is a recombinant protein targeting slx1. Also known as Recombinant Drosophila melanogaster Structure-specific endonuclease subunit SLX1 homolog (slx1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of slx1 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 slx1. It may not necessarily be applicable to this product.

NCBI GI #	281360057
NCBI GeneID	40578
NCBI Accession #	NP_649484.3

UniProt Primary Accession #	Q9VN41
UniProt Secondary Accession #	Q058Y9
UniProt Related Accession #	Q9VN41
GenBank Nucleotide #	NM_141227.3
NCBI Official Full Name	nuclease slx1
NCBI Official Synonym Full Names	nuclease slx1
NCBI Official Symbol	slx1
NCBI Official Synonym Symbols	CG1827; CG18271; DmelCG18271; SLX1
UniProt Protein Name	Structure-specific endonuclease subunit SLX1 homolog
Protein Family	Structure-specific endonuclease
UniProt Gene Name	slx1
NCBI Protein Information	CG18271 gene product from transcript CG18271-RB
UniProt Comments for slx1	Catalytic subunit of a heterodimeric structure-specific endonuclease that resolves DNA secondary structures generated during DNA repair and recombination. Has endonuclease activity towards branched DNA substrates, introducing single-strand cuts in duplex DNA close to junctions with ss-DNA.
Research Articles on slx1	**1.** spontaneous mitotic crossovers that occur when FANCM is missing are dependent on MUS312 and either MUS81 or SLX1.
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