

Recombinant Mouse Mus81 Protein, Myc/DDK-tagged

Cat. No. Mus81-4226M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length MUS81 structure-specific endonuclease subunit (Mus81), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Interacts with EME1 and EME2 to form a DNA structure-specific endonuclease with substrate preference for branched DNA structures with a 5'-end at the branch nick. Typical substrates include 3'-flap structures, replication forks and nicked Holliday junctions. May be required in mitosis for the processing of stalled or collapsed replication forks.
Molecular Mass	62 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Mus81 MUS81 structure-specific endonuclease subunit [Mus musculus (house mouse)]
Official Symbol	Mus81
Synonyms	MUS81; MUS81 endonuclease homolog (yeast); crossover junction endonuclease MUS81; AI182501; AW045863; 1200008A18Rik
Gene ID	71711
mRNA Refseq	NM_027877
Protein Refseq	NP_082153
UniProt ID	Q91ZJ0

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