Recombinant Human MUS81 293 Cell Lysate

Cat. No. MUS81-4056HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for MUS81 endonuclease homolog (S. cerevisiae) (MUS81) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	MUS81 MUS81 endonuclease homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	MUS81
Synonyms	MUS81; MUS81 endonuclease homolog (S. cerevisiae); MUS81 endonuclease homolog (yeast); crossover junction endonuclease MUS81; FLJ44872; SLX3; SLX3 structure specific endonuclease subunit homolog (S. cerevisiae); SLX3 structure-specific endonuclease subunit homolog; FLJ21012;
Gene ID	80198
mRNA Refseq	NM_025128
Protein Refseq	NP_079404
MIM	606591
UniProt ID	Q96NY9
Chromosome Location	11q13
Pathway	Fanconi anemia pathway, organism-specific biosystem; Fanconi anemia pathway, conserved biosystem; Homologous recombination, organism-specific biosystem; Homologous recombination, conserved biosystem;

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Function	3-flap endonuclease activity; DNA binding; endonuclease activity; hydrolase activity; metal ion binding; protein binding;

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