

## Recombinant Human MND1 cell lysate

Cat. No. MND1-678HCL    Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	The product of the MND1 gene associates with HOP2 (MIM 608665) to form a stable heterodimeric complex that binds DNA and stimulates the recombinase activity of RAD51 (MIM 179617) and DMC1 (MIM 602721) (Chi et al., 2007 [PubMed 17639080]). Both the MND1 and HOP2 genes are indispensable for meiotic recombination.
<b>Size</b>	100 ul
<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Applications</b>	Western Blot;

### GENE INFORMATION

<b>Gene Name</b>	MND1 meiotic nuclear divisions 1 homolog ( <i>S. cerevisiae</i> ) [ <i>Homo sapiens</i> ]
<b>Official Symbol</b>	MND1
<b>Synonyms</b>	MND1; meiotic nuclear divisions 1 homolog ( <i>S. cerevisiae</i> ); meiotic nuclear division protein 1 homolog; GAJ; homolog of yeast MND1;
<b>Gene ID</b>	84057

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<b>mRNA Refseq</b>	NM_001253861
<b>Protein Refseq</b>	NP_001240790
<b>MIM</b>	611422
<b>UniProt ID</b>	Q9BWT6
<b>Chromosome Location</b>	4q31.3
<b>Pathway</b>	Meiosis, organism-specific biosystem; Meiotic Recombination, organism-specific biosystem;
<b>Function</b>	DNA binding;

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