

## Recombinant Mouse Rec8 Protein, Myc/DDK-tagged

**Cat. No.** Rec8-5447M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length REC8 meiotic recombination protein (Rec8), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Required during meiosis for separation of sister chromatids and homologous chromosomes. Proteolytic cleavage of REC8 on chromosome arms by separin during anaphase I allows for homologous chromosome separation in meiosis I and cleavage of REC8 on centromeres during anaphase II allows for sister chromatid separation in meiosis II.
<b>Molecular Mass</b>	67.4 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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## GENE INFORMATION

<b>Gene Name</b>	Rec8 REC8 meiotic recombination protein [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Rec8
<b>Synonyms</b>	REC8; REC8 homolog (yeast); meiotic recombination protein REC8 homolog; REC8-like 1; cohesin Rec8p; meiotic cohesion Rec8; mrec; Rec8L1
<b>Gene ID</b>	56739
<b>mRNA Refseq</b>	NM_020002
<b>Protein Refseq</b>	NP_064386
<b>UniProt ID</b>	Q8C5S7

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