

Recombinant Mouse Rec8 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length REC8 meiotic recombination protein (Rec8), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	67.4 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

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

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