

Recombinant Mouse Rec114 Protein, Myc/DDK-tagged

Cat. No. Rec114-5446M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length REC114 meiotic recombination protein (Rec114), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Required for DNA double-strand breaks (DSBs) formation in unsynapsed regions during meiotic recombination. Probably acts by forming a complex with IHO1 and MEI4, which activates DSBs formation in unsynapsed regions, an essential step to ensure completion of synapsis.
Molecular Mass	28.2 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.

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GENE INFORMATION

Gene Name	Rec114 REC114 meiotic recombination protein [Mus musculus (house mouse)]
Official Symbol	Rec114
Synonyms	Rec114; REC114 meiotic recombination protein; 2410076I21Rik; 4930527A11Rik; meiotic recombination protein REC114
Gene ID	73673
mRNA Refseq	NM_028598
Protein Refseq	NP_082874
UniProt ID	Q9CWH4

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