

Recombinant Mouse Smc6 Protein, Myc/DDK-tagged

Cat. No. Smc6-5964M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length structural maintenance of chromosomes 6 (Smc6), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Core component of the SMC5-SMC6 complex, a complex involved in repair of DNA double-strand breaks by homologous recombination. The complex may promote sister chromatid homologous recombination by recruiting the SMC1-SMC3 cohesin complex to double-strand breaks. The complex is required for telomere maintenance via recombination and mediates sumoylation of shelterin complex (telosome) components.
Molecular Mass	127.2 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

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Smc6 structural maintenance of chromosomes 6 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Smc6](#)

Synonyms SMC6; structural maintenance of chromosomes 6; structural maintenance of chromosomes protein 6; mSMC6; SMC protein 6; SMC6 structural maintenance of chromosomes 6-like 1; SMC-6; Smc6l1; AA990493; AU018782; AW742439; mKIAA4103; 2810489L22Rik; 3830418C19Rik; KIAA4103; MGC96146

Gene ID [67241](#)

mRNA Refseq [NM_025695](#)

Protein Refseq [NP_079971](#)

UniProt ID [Q924W5](#)

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