

Recombinant Mouse Sycp1 Protein, Myc/DDK-tagged

Cat. No. Sycp1-6242M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length synaptonemal complex protein 1 (Sycp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Major component of the transverse filaments of synaptonemal complexes, formed between homologous chromosomes during meiotic prophase. Required for normal assembly of the central element of the synaptonemal complexes. Required for normal centromere pairing during meiosis. Required for normal meiotic chromosome synapsis during oocyte and spermatocyte development and for normal male and female fertility.
Molecular Mass	116 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 [Sycp1 synaptonemal complex protein 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Sycp1](#)

Synonyms SYCP1; synaptonemal complex protein 1; SCP-1; SCP1

Gene ID [20957](#)

mRNA Refseq [NM_011516](#)

Protein Refseq [NP_035646](#)

UniProt ID [Q62209](#)

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