

Recombinant Mouse Syce3 Protein, Myc/DDK-tagged

Cat. No. Syce3-6241M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length synaptonemal complex central element protein 3 (Syce3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Major component of the transverse central element of synaptonemal complexes (SCS), formed between homologous chromosomes during meiotic prophase. Required for chromosome loading of the central element-specific SCS proteins, and for initiating synapsis between homologous chromosomes. Chromosome loading appears to require SYCP1. Required for fertility. May play a role in apoptosis of spermatogenic cells and pathogenesis of cryptorchidism.
Molecular Mass	10.9 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	Syce3 synaptonemal complex central element protein 3 [Mus musculus (house mouse)]
Official Symbol	Syce3
Synonyms	Syce3; synaptonemal complex central element protein 3; TSEG2; TSEG-2; 1700007E06Rik; synaptonemal complex central element protein 3; testis-specific expressed protein 2
Gene ID	75459
mRNA Refseq	NM_001162882
Protein Refseq	NP_001156354
UniProt ID	B5KM66

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