

Recombinant Mouse Psmc3ip Protein, Myc/DDK-tagged

Cat. No. Psmc3ip-5185M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length proteasome (prosome, macropain) 26S subunit, ATPase 3, interacting protein (Psmc3ip), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Plays an important role in meiotic recombination. Stimulates DMC1-mediated strand exchange required for pairing homologous chromosomes during meiosis. The complex PSMC3IP/MND1 binds DNA, stimulates the recombinase activity of DMC1 as well as DMC1 D-loop formation from double-strand DNA. This complex stabilizes presynaptic RAD51 and DMC1 filaments formed on single strand DNA to capture double-strand DNA. This complex stimulates both synaptic and presynaptic critical steps in RAD51 and DMC1-promoted homologous pairing. May inhibit HIV-1 viral protein TAT activity and modulate the activity of proteasomes through association with PSMC3.
Molecular Mass	24.7 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.

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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.
GENE INFORMATION	
Gene Name	Psmc3ip proteasome (prosome, macropain) 26S subunit, ATPase 3, interacting protein [Mus musculus (house mouse)]
Official Symbol	Psmc3ip
Synonyms	PSMC3IP; proteasome (prosome, macropain) 26S subunit, ATPase 3, interacting protein; homologous-pairing protein 2 homolog; PSMC3-interacting protein; TBP-1-interacting protein; tat-binding protein 1-interacting protein; proteasome 26S ATPase subunit 3-interacting protein; HOP2; GT198; Tbpip; C79099
Gene ID	19183
mRNA Refseq	NM_008949
Protein Refseq	NP_032975
UniProt ID	O35047