

Recombinant Mouse Msh5 Protein, Myc/DDK-tagged

Cat. No. Msh5-4187M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length mutS homolog 5 (Msh5), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the MutS family of proteins that play critical roles in DNA mismatch repair and meiotic homologous recombination processes. Mice lacking the encoded protein are viable but sterile, with severe defects in spermatogenesis in males and complete loss of ovarian structures in females. Mutations in a similar gene in humans have been shown to cause common variable immune deficiency (CVID) and immunoglobulin A deficiency. Alternative splicing of this gene results in multiple transcript variants.
Molecular Mass	92.6 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 Msh5 mutS homolog 5 [Mus musculus (house mouse)]

Official Symbol Msh5

Synonyms MSH5; mutS homolog 5 (E. coli); mutS protein homolog 5; DNA mismatch repair protein Msh5; G7; Mut5

Gene ID 17687

mRNA Refseq NM_001146215

Protein Refseq NP_001139687

UniProt ID Q9QUM7

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