

Recombinant Human MSH3 HEK293T cell lysate

Cat. No. MSH3-23HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MSH3 was derived in Human HEK293T cell line.
Species	Human
Source	HEK293
Description	The protein encoded by this gene forms a heterodimer with MSH2 to form MutS beta, part of the post-replicative DNA mismatch repair system. MutS beta initiates mismatch repair by binding to a mismatch and then forming a complex with MutL alpha heterodimer. This gene contains a polymorphic 9 bp tandem repeat sequence in the first exon. The repeat is present 6 times in the reference genome sequence and 3-7 repeats have been reported. Defects in this gene are a cause of susceptibility to endometrial cancer.
Form	1 vial of 100 g gene specific transient over-expression cell lysate in RIPA buffer 1 vial of 100 g empty vector transfected control cell lysate in RIPA buffer 1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT)
Molecular Mass	127.2 kDa
Storage	Upon receiving, store the sample at -20 centigrade. Lysate samples are stable for 12 months from date of receipt when stored at -20 centigrade. Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the

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protein sample should be aliquoted and stored at -20 centigrade for long term storage. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name MSH3 mutS homolog 3 (E. coli) [Homo sapiens]

Official Symbol MSH3

Synonyms MSH3; mutS homolog 3 (E. coli); mutS (E. coli) homolog 3; DNA mismatch repair protein Msh3; Divergent upstream protein; DUP; Mismatch repair protein 1; MRP1; hMSH3; mismatch repair protein 1; divergent upstream protein; MGC163306; MGC163308;

Gene ID 4437

mRNA Refseq NM_002439

Protein Refseq NP_002430

MIM 600887

UniProt ID P20585

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