

Recombinant Full Length Human MSH2 Protein, GST-tagged

Cat. No. MSH2-6982HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human full-length MSH2(1 a.a. - 934 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	934 amino acids
Description	This locus is frequently mutated in hereditary nonpolyposis colon cancer (HNPCC). When cloned, it was discovered to be a human homolog of the E. coli mismatch repair gene mutS, consistent with the characteristic alterations in microsatellite sequences (RER+ phenotype) found in HNPCC. Two transcript variants encoding different isoforms have been found for this gene.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	131.1 kDa
AA Sequence	MAVQPKETLQLESAAEVGFVRFFQGMPEKPTTTVRLFDRGDFYTAHGEDALLAARE VFKTQGVIKYMGPAGAKNL QSVVLSKMNFESEFVKDLLVRQYRVEVYKNRAGNKAS KENDWYLAYKASPGNLSQFEDILFGNNDMSASIGVVGK KMSAVDGGQRQVGVGYVD SIQRKLGCLCEFPDNDQFSNLEALLIQIGPKECVLPGGETAGDMGKLRQIIQRGGILIT E RKKADFSTKDIYQDLNRLKGGKGEQMNS

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	MSH2 mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli) [Homo sapiens]
Official Symbol	MSH2
Synonyms	MSH2; mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli); COCA1, mutS (E. coli) homolog 2 (colon cancer, nonpolyposis type 1); DNA mismatch repair protein Msh2; HNPCC; HNPCC1; hMSH2; FCC1; COCA1; LCFS2;
Gene ID	4436
mRNA Refseq	NM_000251
Protein Refseq	NP_000242
MIM	609309
UniProt ID	P43246

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