

# Recombinant Full Length Human MSH2 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human full-length MSH2(1 a.a. - 934 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	934 amino acids
<b>Description</b>	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.
<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	131.1 kDa
<b>AA Sequence</b>	MAVQPKETLQLESAAEVGFVRRFFQGMPEKPTTTVRLFDRGDFYTAHGEDALLAARE VFKTQGVIKYMGPAGAKNL QSVVLSKMNFFESFVKDLLLVRQYRVEVYKNRAGNKAS KENDWYLAYKASPGNLSQFEDILFGNNDMSASIGVVGK KMSAVDGGQRQVGVGYVD SIQRKLGCLCEFPDNDQFSNLEALLIQIGPKECVLPGGETAGDMGKLRQIIQRGGILIT E RKKADFSTKDIYQDLNRLKGGKKGEMNS

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

## GENE INFORMATION

<b>Gene Name</b>	MSH2 mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli) [ Homo sapiens ]
<b>Official Symbol</b>	MSH2
<b>Synonyms</b>	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;
<b>Gene ID</b>	4436
<b>mRNA Refseq</b>	NM_000251
<b>Protein Refseq</b>	NP_000242
<b>MIM</b>	609309
<b>UniProt ID</b>	P43246

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA