Recombinant Human MSH4 Protein, GST-tagged

Cat. No. MSH4-5651H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MSH4 partial ORF (NP_002431, 831 a.a. - 936 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the DNA mismatch repair mutS family. This member is a meiosis-specific protein that is not involved in DNA mismatch correction, but is required for reciprocal recombination and proper segregation of homologous chromosomes at meiosis I. This protein and MSH5 form a heterodimer which binds uniquely to a Holliday Junction and its developmental progenitor, thus provoking ADP-ATP exchange, and stabilizing the interaction between parental chromosomes during meiosis double-stranded break repair. [provided by RefSeq, Aug 2011]
Molecular Mass	37.4 kDa
AA Sequence	YKLSKGLTEEKNYGLKAAEVSSLPPSIVLDAKEITTQITRQILQNQRSTPEMERQRAV YHLATRLVQTARNSQLDPDSLRIYLSNLKKKYKEDFPRTEQVPEKTEE
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

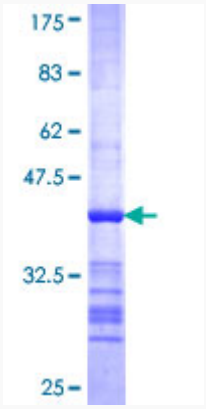
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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	MSH4 mutS homolog 4 (E. coli) [Homo sapiens]
Official Symbol	MSH4
Synonyms	MSH4; mutS homolog 4 (E. coli); mutS (E. coli) homolog 4; mutS protein homolog 4; hMSH4;
Gene ID	4438
mRNA Refseq	NM_002440
Protein Refseq	NP_002431
MIM	602105
UniProt ID	O15457

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Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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