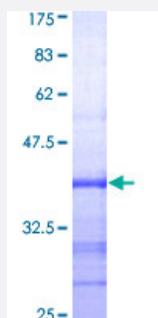


MSH5 (Human) Recombinant Protein (Q01)

Catalog # H00004439-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MSH5 partial ORF (AAH02498, 736 a.a. - 835 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GNDLVFFYQVCEGVAKASHASHTAAQAGLPDKLVARGKEVSDLRSGKPIKPVKDLLKKNQMENCQTLVDKFMKLDLEDPNLDLNVFMSQEVLPAAATSL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (79); Rat (78)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MSH5

Entrez GeneID [4439](#)

GeneBank Accession# [BC002498](#)

Protein Accession# [AAH02498](#)

Gene Name MSH5

Gene Alias DKFZp434C1615, G7, MGC2939, MutSH5, NG23

Gene Description mutS homolog 5 (E. coli)

Omim ID [603382](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the mutS family of proteins that are involved in DNA mismatch repair or meiotic recombination processes. This protein is similar to a *Saccharomyces cerevisiae* protein that participates in meiotic segregation fidelity and crossing-over. This protein forms hetero oligomers with another member of this family, mutS homolog 4. Alternative splicing results in four transcript variants encoding three different isoforms. [provided by RefSeq]

Other Designations OTTHUMP00000029187|OTTHUMP00000029188|mutS homolog 5

Disease

- [Abortion](#)
- [Arthritis](#)
- [Azoospermia](#)

- [Breast cancer](#)
- [Carcinoma](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [IgA Deficiency](#)
- [Infertility](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Obesity](#)
- [Oligospermia](#)
- [Ovarian Failure](#)
- [Werner syndrome](#)