

Recombinant Human MUTYH Protein, GST-tagged

Cat. No. MUTYH-5765H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MUTYH full-length ORF (NP_001041636.1, 1 a.a. - 535 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a DNA glycosylase involved in oxidative DNA damage repair. The enzyme excises adenine bases from the DNA backbone at sites where adenine is inappropriately paired with guanine, cytosine, or 8-oxo-7,8-dihydroguanine, a major oxidatively damaged DNA lesion. The protein is localized to the nucleus and mitochondria. Mutations in this gene result in heritable predisposition to colon and stomach cancer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Molecular Mass	85.5 kDa
AA Sequence	MTPLVSRLSRLWAIMRKPRAAVGSGRKQAASQEGRQKHAKNNSQAKPSACDGLA RQPEEVVLQASVSSYHLFRDVAEVTAFRGSLLSWYDQEKRDLPWRRRAEDEMDLD RRAYAVVWSEVMLQQTQVATVINYYTGWMQKWPTLQDLASASLEEVLNQLWAGLG YYSRGRRLQEGARKVVEELGGHMPRTAETLQQLPGVGRYTAGAIASIAFGQATGV VDGNVARVLCRVRAIGADPSSTLVSQQLWGLAQQQLVDPARPGDFNQAAMELGATV CTPQRPLCSQCPVESLCRARQRVEQEQLLASGSLSGSPDVEECAPNTGQCHLCLP PSEPWDQTLGVVNFPRKASRKPPREESSATCVLEQPGALGAQILLVQRPNSGLLAG

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LWEFPSVTWEPSEQLQRKALLQELQRWAGPLPATHLRHLGEVVHTFSHIKLTQVY
GLALEGQTPVTTVPPGARWLTQEEFHTAAVSTAMKKVFRVYQGQQPGTCMGSKRS
QVSSPCSRKKPRMGQQVLDNFFRSHISTDAHSLNSAAQ

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.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

MUTYH mutY homolog (E. coli) [Homo sapiens]

Official Symbol

MUTYH

Synonyms

MUTYH; mutY homolog (E. coli); mutY (E. coli) homolog; A/G-specific adenine DNA glycosylase; MYH; CYP2C; MGC4416;

Gene ID

4595

mRNA Refseq

NM_001048171

Protein Refseq

NP_001041636

MIM

604933

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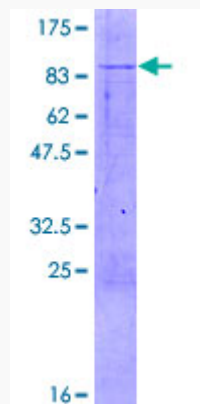
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UniProt ID

Q9UIF7

Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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