

Recombinant Human PMS2 cell lysate

Cat. No. PMS2-1383HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	This gene is one of the PMS2 gene family members found in clusters on chromosome 7. The product of this gene is involved in DNA mismatch repair. It forms a heterodimer with MLH1 and this complex interacts with other complexes bound to mismatched bases. Mutations in this gene are associated with hereditary nonpolyposis colorectal cancer, Turcot syndrome, and are a cause of supratentorial primitive neuroectodermal tumors. Alternatively spliced transcript variants have been observed for this gene.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	PMS2 PMS2 postmeiotic segregation increased 2 (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Official Symbol	PMS2
Synonyms	PMS2; PMS2 postmeiotic segregation increased 2 (<i>S. cerevisiae</i>); PMSL2,

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

	postmeiotic segregation increased (S. cerevisiae) 2; mismatch repair endonuclease PMS2; H_DJ0042M02.9; HNPCC4; PMS1 protein homolog 2; DNA mismatch repair protein PMS2; PMSL2; PMS2CL;
Gene ID	5395
mRNA Refseq	NM_000535
Protein Refseq	NP_000526
MIM	600259
UniProt ID	P54278
Chromosome Location	7p22.1
Pathway	BRCA1-associated genome surveillance complex (BASC), organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; Fanconi anemia pathway, organism-specific biosystem; Fanconi anemia pathway, conserved biosystem; Mismatch repair, organism-specific biosystem; Mismatch repair, conserved biosystem;
Function	ATP binding; ATPase activity; DNA binding; contributes_to MutSalph complex binding; endonuclease activity; hydrolase activity; mismatched DNA binding; protein binding; single base insertion or deletion binding; contributes_to single-stranded DNA binding;