



## Product Datasheet

<b>Product Name</b>	MutL Homolog-1 Human Recombinant
<b>Cata No</b>	CB501140
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	DNA mismatch repair protein Mlh1, MutL protein homolog 1, MLH1, COCA2, FCC2, HNPCC, hMLH1, HNPCC2, MGC5172.

### Description

MLH1 is an 87kDa protein involved in mismatched nucleotides during DNA replication or repair process. Mutations in the human MLH1 (hMLH1) and hMLH2 genes contribute to the development of sporadic colorectal carcinoma and some other both hereditary and sporadic forms of human cancer. MLH1 is identified as a locus frequently mutated in hereditary nonpolyposis colon cancer (HNPCC). MLH1 is a human homolog of the E. coli DNA mismatch repair gene mutL, consistent with the characteristic modifications in microsatellite sequences (RER+ phenotype) found in HNPCC. MLH1 Human Recombinant (a.a. 557-756) expressed in E.coli, MLH1 is antibody reactive. The MLH1 is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile Filtered clear solution.

### Formulation

The MLH1 at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.

### Stability

Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.

**Please prevent freeze-thaw cycles.**

### Applications

- ELISA
- Inhibition Assays
- Western Blotting