

## MutS Homolog 2, Human Recombinant

<b>Catalog No.</b>	CRM130A	<b>Quantity:</b>	2 µg
	CRM130B		5 µg
	CRM130C		10 µg

**Description:** MSH2 (MutS homologue 2) is a 100-kDa protein involved in mismatched nucleotides during DNA replication or repair process. MSH2 functions as one of the four major DNA mismatch repair genes along with MLH1, PMS2 and PMS1. Somatic mutations in the human MSH2 gene contribute to the development of sporadic colorectal carcinomas while germline mutations are involved in a large number of colorectal carcinoma.

**Source:** *E. coli*

**Formulation:** Recombinant Human MSH2 protein (amino acids 735-934) at 100 µg/ml in 50 mM Tris-Acetate + pH7.5 + 1 mM EDTA + 20% Glycerol.

**Reconstitution:** It is recommended to reconstitute the lyophilized MOG in sterile 18MΩ-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

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

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**



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