

## Recombinant Human MRE11A protein, His-tagged

Cat. No. MRE11A-2895H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MRE11A protein(170-400 aa), fused to His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	170-400 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
<b>AA Sequence</b>	QKGSTKIALYGLGSIPDERLYRMFVNKKVTMLRPKEDENSWFNLFVIHQNRSKHGST NFIPEQFLDDFIDLVIWGHEHECKIAPTQNEQQLFYISQPGSSVVTSLSPGEAVKKHV GLLRIGRKMNMHKIPLHTVRQFFMEDIVLANHPDIFNPDNPKVTQAIQSFCLEKIEE MLENAERERLGNHQPEKPLVRLRVDYSGGFEPFVLRFSQKFVDRVANPKDIIHFF R
<b>Purity</b>	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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**Reconstitution** Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

**Gene Name** MRE11A MRE11 meiotic recombination 11 homolog A (*S. cerevisiae*) [ *Homo sapiens* ]

**Official Symbol** MRE11A

**Synonyms** MRE11A; MRE11 meiotic recombination 11 homolog A (*S. cerevisiae*); meiotic recombination (*S. cerevisiae*) 11 homolog A , MRE11; double-strand break repair protein MRE11A; AT like disease; ATLD; AT-like disease; MRE11 homolog 1; MRE11 homolog A; endo/exonuclease Mre11; meiotic recombination 11 homolog 1; meiotic recombination 11 homolog A; DNA recombination and repair protein; HNGS1; MRE11; MRE11B;

**Gene ID** 4361

**mRNA Refseq** NM\_005590

**Protein Refseq** NP\_005581

**MIM** 600814

**UniProt ID** P49959

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