Recombinant Human MRE11A protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human MRE11A protein(170-400 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	170-400 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	QKGSTKIALYGLGSIPDERLYRMFVNKKVTMLRPKEDENSWFNLFVIHQNRSKHGST NFIPEQFLDDFIDLVIWGHEHECKIAPTKNEQQLFYISQPGSSVVTSLSPGEAVKKHV GLLRIKGRKMNMHKIPLHTVRQFFMEDIVLANHPDIFNPDNPKVTQAIQSFCLEKIEE MLENAERERLGNSHQPEKPLVRLRVDYSGGFEPFSVLRFSQKFVDRVANPKDIIHFF R
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	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 ḡ/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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