

Recombinant Human MRE11A

Catalog No: #GP11762



Package Size: #GP11762-1 100ug

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Description

Product Name	Recombinant Human MRE11A
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to N terminal 180 amino acids of human MRE11 meiotic recombination 11 homolog A
Target Name	MRE11 meiotic recombination 11 homolog A
Other Names	ATLD; HNGS1; MRE11; MRE11B
Accession No.	Swissprot:P49959Gene Accession:NP_005582
Uniprot	P49959
GenID	4361;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene encodes a nuclear protein involved in homologous recombination, telomere length maintenance, and DNA double-strand break repair. By itself, the protein has 3' to 5' exonuclease activity and endonuclease activity. The protein forms a complex with the RAD50 homolog; this complex is required for nonhomologous joining of DNA ends and possesses increased single-stranded DNA endonuclease and 3' to 5' exonuclease activities. In conjunction with a DNA ligase, this protein promotes the joining of noncomplementary ends in vitro using short homologies near the ends of the DNA fragments. This gene has a pseudogene on chromosome 3. Alternative splicing of this gene results in two transcript variants encoding different isoforms.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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