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Datasheet

MRE11A FISH Probe

Catalog Number: FA0294

Regulatory Status: For research use only (RUO)

Product Description: Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. (Technology).

Regulation Status: For research use only (RUO)

Source: Genomic DNA

Origin: Human

Notice: We **strongly recommend** the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: KA2375 or KA2691) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.

Applications: FISH-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Supplied Product: DAPI Counterstain (1500 ng/mL) 250 uL

Storage Instruction: Store at 4°C in the dark.

Entrez GeneID: 4361

Gene Symbol: MRE11A

Gene Alias: ATLD, HNGS1, MRE11, MRE11B

Gene Summary: 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. [provided by RefSeq]