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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

EWSR1 Split FISH Probe

RefSeq]

Catalog Number: FS0003**Regulatory Status:** For research use only (RUO)**Product Description:** Labeled FISH probes for identification of gene split using Fluorescent In Situ Hybridization Technique. ([Technology](#))**Applications:** FISH-Ce, FISH-P
(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**Form:** Liquid**Supplied Product:** DAPI Counterstain (1500 ng/mL)
125 uL for each 100 uL FISH Probe**Storage Instruction:** Store at 4°C in the dark.**Entrez GeneID:** 2130**Gene Symbol:** EWSR1**Gene Alias:** EWS**Gene Summary:** This gene encodes a multifunctional protein that is involved in various cellular processes, including gene expression, cell signaling, and RNA processing and transport. The protein includes an N-terminal transcriptional activation domain and a C-terminal RNA-binding domain. Chromosomal translocations between this gene and various genes encoding transcription factors result in the production of chimeric proteins that are involved in tumorigenesis. These chimeric proteins usually consist of the N-terminal transcriptional activation domain of this protein fused to the C-terminal DNA-binding domain of the transcription factor protein. Mutations in this gene, specifically a t(11;22)(q24;q12) translocation, are known to cause Ewing sarcoma as well as neuroectodermal and various other tumors. Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 1 and 14. [provided by**References:**

1. Detection of SYT and EWS gene rearrangements by dual-color break-apart CISH in liquid-based cytology samples of synovial sarcoma and Ewing sarcoma/primitive neuroectodermal tumor. Kumagai A, Motoi T, Tsuji K, Imamura T, Fukusato T. Am J Clin Pathol. 2010 Aug;134(2):323-31.