

ZNRD1 (Zinc Ribbon Domain-Containing 1) is a protein-coding gene located on human chromosome 1. The ZNRD1 gene encodes a protein that is involved in the regulation of transcription, DNA repair, and cell cycle progression. The protein contains a zinc ribbon domain, which is a conserved motif found in a variety of proteins that are involved in nucleic acid binding and protein-protein interactions.

Research has suggested that ZNRD1 may play a role in the development and progression of certain types of cancer. For example, a study found that ZNRD1 is frequently downregulated in hepatocellular carcinoma (HCC) tissues, and that low ZNRD1 expression is associated with poor prognosis in patients with HCC. Additionally, ZNRD1 has been shown to interact with other proteins involved in DNA repair and cell cycle regulation, suggesting that it may have a broader role in maintaining genome stability and preventing the development of cancer.

Overall, ZNRD1 is a protein-coding gene that is involved in transcriptional regulation, DNA repair, and cell cycle progression, and may have a role in the development and progression of certain types of cancer.

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