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Hypoxia-Responsive Elements

National Cancer Institute

Source

National Cancer Institute. *Hypoxia-Responsive Elements*. NCI Thesaurus. Code C13718.

DNA sequences in a gene's promoter region that mediate expression during hypoxia. Since unlike normal tissues, solid tumors frequently have regions of hypoxia, suicide genes controlled by hypoxia-responsive elements may provide a means for cancer-specific gene therapy.