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DNA Binding Protein

National Cancer Institute

Source

National Cancer Institute. *DNA Binding Protein*. NCI Thesaurus. Code C16518.

Proteins that non-covalently interact with deoxyribonucleic acid as a result of intermolecular physical forces and spatial complementarity. Many genetic regulatory DNA binding proteins bind to double- or single-stranded DNA in a sequence-specific manner and share common structural motifs such as the zinc-finger, helix-turn-helix, and leucine zipper.