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# Ligand Binding Domain

National Cancer Institute

## Source

National Cancer Institute. *Ligand Binding Domain*. NCI Thesaurus. Code C13671.

A Binding Site Domain is a region of protein that physically interacts stereospecifically, and usually at high affinity, with a specific ligand, substrate, or a specific domain of some complex target biomolecule, such as a protein, lipid, carbohydrate, or nucleic acid. Typically, but not necessarily, the interaction results in protein conformational alteration and functional modification.