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Protein Tyrosine Phosphatase Gene

National Cancer Institute

Source

National Cancer Institute. *Protein Tyrosine Phosphatase Gene*. NCI Thesaurus. Code C26059.

Protein Tyrosine Phosphatase Genes encode Protein Tyrosine Phosphatases, enzymes that specifically remove tyrosine-bound phosphate groups from many phosphoproteins, including many enzymes phosphorylated by a tyrosine kinase. Together with protein tyrosine kinases, Tyrosine Phosphatases regulate tyrosine phosphorylation and dephosphorylation in cellular signal transduction and may play a role in cell growth control and carcinogenesis. (NCI)