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Protein Serine/Threonine Phosphatase

National Cancer Institute

Source

National Cancer Institute. *Protein Serine/Threonine Phosphatase*. NCI Thesaurus. Code C34078.

Encoded by Protein Serine/Threonine Phosphatase Genes, Protein Serine/Threonine Phosphatases are a group of enzymes that specifically dephosphorylate phosphoserine and phosphothreonine residues in specific target proteins. Together with serine/threonine protein kinases, these enzymes regulate serine and threonine phosphorylation and dephosphorylation of target proteins in cellular signal transduction pathways typically involved in cell growth control.