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# Protein Serine/Threonine Phosphatase Gene

National Cancer Institute

## Source

National Cancer Institute. *Protein Serine/Threonine Phosphatase Gene*. NCI Thesaurus. Code C26064.

Protein Serine/Threonine Phosphatase Genes encode Protein Serine/Threonine Phosphatases, 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. (NCI)