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Calcineurin

National Cancer Institute

Source

National Cancer Institute. *Calcineurin*. NCI Thesaurus. Code C17275.

Ubiquitous heterodimeric human Calcineurin is $\text{Ca}(2+)$ /calmodulin-regulated protein phosphatase involved in many biologic activities as a modifier of phosphorylation status. Composed of widely expressed or tissue-restricted 55-60-kDa calmodulin-binding catalytic subunit (PPP Phosphatase/PP-2B Family) and conserved 19-kD $\text{Ca}(2+)$ -sensitive regulatory subunit, Calcineurin appears to regulate glycolytic metabolism, nuclear translocation of NFATC1 transcription factor, sperm motility, and dopaminergic signal transduction and NMDA receptor-dependent synaptic plasticity. (NCI)