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# Small G Protein

National Cancer Institute

## Source

National Cancer Institute. *Small G Protein*. NCI Thesaurus. Code C18277.

A class of small GTP-binding regulatory proteins regulated by G protein coupled receptors that act as switches in signal transduction pathways. The nature of the nucleotide bound to the protein determines its activity: GTP in the active state, GDP in the inactive state. The prototype for this class of proteins is the cellular proto-oncogene RAS.