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# Oncogenes, G-Proteins

National Cancer Institute

## Source

National Cancer Institute. *Oncogenes, G-Proteins*. NCI Thesaurus. Code C18340.

Mutated forms of G-protein genes which encode a diverse group of regulatory proteins that act as molecular switches. Under normal cellular conditions, the activity of these proteins is tightly controlled. Activation of G-protein proto-oncogenes via mutation results in G-protein oncogenes. These aberrant genes express protein products that disrupt normal cell function.