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Signal Transducer and Activator of Transcription

National Cancer Institute

Source

National Cancer Institute. *Signal Transducer and Activator of Transcription*. NCI Thesaurus. Code C19618.

A family of cytoplasmic proteins that are activated by phosphorylation in response to a large number of cytokines, growth factors, and hormones. They dimerize and translocate to the nucleus upon activation, where they bind to regulatory cis-elements of specific target genes.