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SKI Oncoprotein

National Cancer Institute

Source

National Cancer Institute. *SKI Oncoprotein*. NCI Thesaurus. Code C19993.

The c-SKI proto-oncogene encodes a transcriptional repressor that homo- and heterodimerizes with the related protein, SnoN. SMAD3 associates with nuclear SKI protein in response to TGFβ1 signaling, repressing transcriptional activation by SMAD3, and rendering cells resistant to the growth-inhibitory effects of TGFβ. The effects of SKI can be overcome by increased expression of SMAD3. (from OMIM 164780 and NCI)