

[Open Peer Review on Qeios](#)

# Recombinant Transforming Growth Factor-Beta

National Cancer Institute

## Source

National Cancer Institute. *Recombinant Transforming Growth Factor-Beta*. NCI Thesaurus. Code C898.

A recombinant therapeutic agent which is chemically identical to or similar to the endogenous cytokine transforming growth factor-beta (TGF-beta) with proapoptotic and antineoplastic properties. TGF-beta may suppress tumor cell growth by decreasing the expression of cyclin D1, a cell cycle regulatory protein, and downregulating the expression of the oncogene c-myc. This agent is also involved in T cell-mediated immunosuppression by CD4+CD25+ T cells, which permits cancer cells to evade immune surveillance. (NCI04)