

[Open Peer Review on Qeios](#)

TK Gene

National Cancer Institute

Source

National Cancer Institute. *TK Gene*. NCI Thesaurus. Code C20224.

The TK Gene encodes thymidine kinase, a transferase class pyrimidine salvage enzyme that catalyzes ATP-dependent phosphorylation of thymine deoxyribonucleoside. The TK gene and promoter are used widely in genetic research because of the easily selectable phenotype.