

[Open Peer Review on Qeios](#)

# HPRT1 wt Allele

National Cancer Institute

## Source

National Cancer Institute. *HPRT1 wt Allele*. NCI Thesaurus. Code C50966.

Human HPRT1 wild-type allele is located in the vicinity of Xq26.1 and is approximately 40 kb in length. This allele, which encodes hypoxanthine-guanine phosphoribosyltransferase protein, plays a role in purine salvage. Certain allelic variants of the HPRT1 gene cause HPRT-related gout or Lesch-Nyhan syndrome.