

[Open Peer Review on Qeios](#)

IGHG1 wt Allele

National Cancer Institute

Source

National Cancer Institute. *IGHG1 wt Allele*. NCI Thesaurus. Code C98021.

Human IGHG1 wild-type allele is located in the vicinity of 14q32.33 and is approximately 7 kb in length. This allele, which encodes Ig gamma-1 chain C region protein, plays a role in immunoglobulin functions. Multiple chromosomal translocations involving this gene are associated with multiple myeloma; these translocations include t(11;14)(q13;q32) with the CCND1 gene, t(4;14)(p16.3;q32.3) with the FGFR3 gene, and t(6;14)(p25;q32) with the IRF4 gene. Another translocation t(1;14)(q25;q32) of this gene and the LHX4 gene is associated with pre-B acute lymphoblastic leukemia.