

[Open Peer Review on Qeios](#)

EGR2 wt Allele

National Cancer Institute

Source

National Cancer Institute. *EGR2 wt Allele*. NCI Thesaurus. Code C131313.

Human EGR2 wild-type allele is located in the vicinity of 10q21.1 and is approximately 108 kb in length. This allele, which encodes E3 SUMO-protein ligase EGR2 protein, is involved in the regulation of both gene transcription and protein modification. Mutation of the gene is associated with Charcot-Marie-Tooth disease type 1D (CMT 1D), Charcot-Marie-Tooth disease type 4E (CMT 4E), and with Dejerine-Sottas syndrome (DSS).