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# ERG wt Allele

National Cancer Institute

## Source

National Cancer Institute. *ERG wt Allele*. NCI Thesaurus. Code C52865.

Human ERG wild-type allele is located in the vicinity of 21q22.3 and is approximately 280 kb in length. This allele, which encodes transcriptional regulator ERG protein, is involved in both the regulation of RNA polymerase II-directed transcription and the modification of local chromatin structure. Acute myelogenous leukemia of the subtype M2 is linked to the chromosomal translocation t(8;21)(q22;q22), which involves this gene and the EWSR1 gene. Human myeloid leukemia is linked to the chromosomal translocation t(16;21)(p11;q22) of this gene with the FUS gene.