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# CD40 wt Allele

National Cancer Institute

## Source

National Cancer Institute. *CD40 wt Allele*. NCI Thesaurus. Code C51382.

Human CD40 wild-type allele is located within 20q12-q13.2 and is approximately 186 kb in length. This allele, which encodes tumor necrosis factor receptor superfamily member 5 protein, is involved in the modulation of T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. Deletions in the gene are associated with hyper-IgM immunodeficiency type 3. The gene may play a role in the pathogenesis of Alzheimer's disease.