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V(D)J Recombination

National Cancer Institute

Source

National Cancer Institute. *V(D)J Recombination*. NCI Thesaurus. Code C20971.

Any process of gene rearrangement in which the original variable and joining region coding segments of the immunoglobulin and T cell receptor genes are ligated to create a novel protein-coding capacity. This process may occur with inclusion of the diversity coding segment to create a V(D)J coding gene. V(D)J recombination is involved in generation of diversity for both antibody and T cell receptor responses.