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TRIM Family

National Cancer Institute

Source

National Cancer Institute. *TRIM Family*. NCI Thesaurus. Code C21255.

Genes belonging to this family are implicated in several inherited human diseases (Familial Mediterranean Fever, X-linked Opitz/GBBB syndrome, and Mulibrey nanism) and in tumorigenesis. The TRIM proteins have a strong self-association ability that is mediated by their coiled-coil region. This property results in the formation of large protein complexes that identify diverse discrete sub-cellular structures. The formation of these cellular compartments is strictly dependent on the integrity of the Tripartite Motif. The TRIM proteins might play a role in cell sub-compartmentalization.