

Centromere

National Human Genome Research Institute (NHGRI)

Source

National Human Genome Research Institute (NHGRI). *Centromere*.

A centromere is a constricted region of a chromosome that separates it into a short arm (p) and a long arm (q). During cell division, the chromosomes first replicate so that each daughter cell receives a complete set of chromosomes. Following DNA replication, the chromosome consists of two identical structures called sister chromatids, which are joined at the centromere.

