miR-24 is a miRNA that regulates various biological processes including proliferation, cell cycle arrest, apoptosis, and differentiation. Its validated targets include p16INK4A, E2F2, MYC, CDK6, AURKB, CCNA2, CDC2, CDK4, FEN1, FAF1, TRIB3, HNF4α, H2AFX, AE1, DHFR, ALK4, and MAPK7. These processes are implicated in diseases such as lung cancer, gastric cancer, colorectal cancer, breast cancer, leukemia, prostate cancer, ovarian cancer, pancreatic cancer, and squamous cell carcinoma.