

## miRNAs expressed in MSC-EVs

Source of EVs	miRNA	Function
Human bone marrow-derived MSCs	miRNA-199b, miRNA-218, miRNA-148a, miRNA-135b, miRNA-221	Regulate osteoblast differentiation
Rats bone marrow-derived MSCs	miRNA-133b	Contribute to neurite outgrowth
Human bone marrow-derived MSCs	miRNA-15a	Inhibit the growth of multiple myeloma cells
Porcine adipose tissue-derived MSCs	miRNA-148a, miR532-5p, miRNA-378, let-7f	Regulate apoptosis, proteolysis angiogenesis, and cellular transport
Human bone marrow-derived MSCs	miRNA-21, miRNA-34a	Regulate cell survival and proliferation
Human bone marrow-derived MSCs	miRNA-23b	Induce dormant phenotypes
Mouse bone marrow-derived MSCs	miRNA-16	Target VEGF; suppress angiogenesis
Human adipose-derived MSCs	miRNA-486-5p, miRNA-10a-5p, let-7a-5p, miRNA-10b-5p, miRNA-191-5p, miRNA-22-3p, miRNA-222-3p, miRNA-21-5p, let-7f-5p, miRNA-127-3p, miRNA-143-3p, miRNA-99b-5p, miRNA-100-5p, miRNA-92a-3p, miRNA-92b-3p, miRNA-146a-5p, miRNA-26a-5p, miRNA-4485, miRNA-146b-5p, miRNA-51a-3p	Promote the migration; involved in replicative senescence, immune modulatory function; regulate cell cycle progression and proliferation; modulate angiogenesis
Human bone marrow-derived MSCs	miRNA-143-3p, miRNA-10b-5p, miRNA-486-5p, let-7a-5p, miRNA-22-3p, miRNA-21-5p, miRNA-222-3p, miRNA-28-3p, miRNA-191-5p, miRNA-100-5p, miRNA-99b-5p, miRNA-92a-3p, miRNA-127-3p, let-7f-5p, miRNA-92b-3p, miRNA-423-5p, let-7i-5p, miRNA-10a-5p, miRNA-27b-3p, miRNA-125b-5p	Promote the migration; involved in ASC replicative senescence, immune modulatory function; regulate cell cycle progression and proliferation; modulate angiogenesis



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