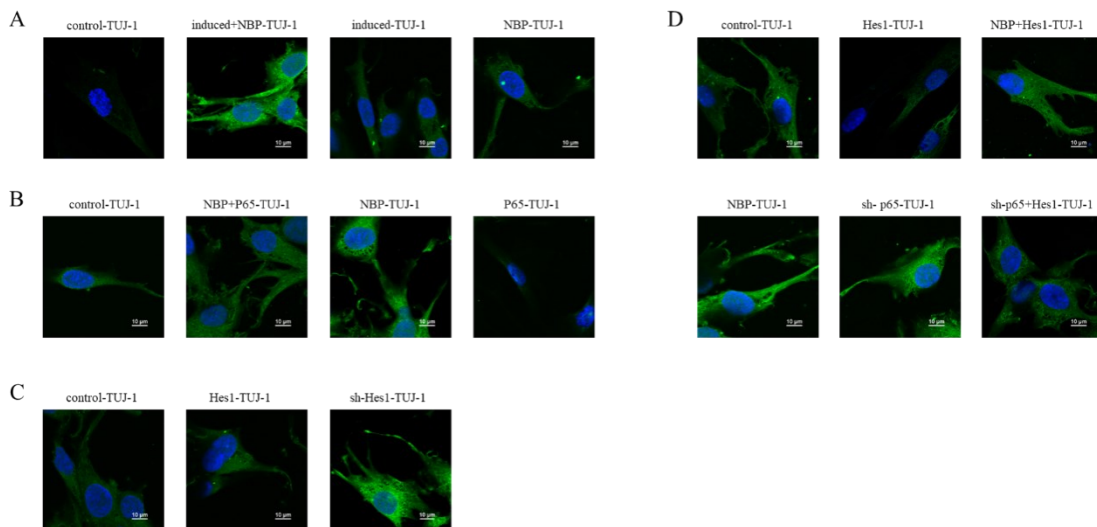


Appendix 1. Expression analysis of surface markers CD29, CD44 and CD45 in the fourth generation BMSCs.

Note: flow cytometry showed that the positive expression rate of CD29, CD44 and CD45 in the fourth generation was over 95%, and the negative expression rate of CD45.



Appendix 2. Confocal microscopy of ? with DAPI counterstaining in groups. Scale bars, 10 μm.

Appendix 3. Primer Sequences of RT-qPCR Assay

Gene	Sequence (5' - 3')
P65 F	ATGTGGAGATCATTGAGCAGC
P65 R	CCTGGTCCTGTGTAGCCATT
Hes1 F	TCAATGCCATGACCTACCCC
Hes1 R	AAACACCTTAGCCGCCTCTC
GAPDH F	TGTTTCGTCATGGGTGTGAAC
GAPDH R	ATGGCATGGACTGTGGTCAT