

## SUPPLEMENTARY MATERIAL

### ***SERPINA9* and *SERPINB2*: novel cartilage lineage differentiation factors of human mesenchymal stem cells.**

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## SUPPLEMENTARY TABLES

**Table S1. Features of the primers used for gene expression assays.**

Gene	Gene symbol	QIAGEN Primer ID	Fragment size (bp)	Melting temperature
Peptidylprolyl isomerase A	<i>PPIA</i>	PPH01319G	131	81°C
SRY (sex determining region Y)-box9	<i>SOX9</i>	PPH02125A	172	88°C
Runt-related transcription factor 2	<i>RUNX2</i>	PPH01897C	102	83.9°C
Serpin peptidase inhibitor, clade B member 2	<i>SERPINB2</i>	PPH00793C	111	83.9°C
Serpin peptidase inhibitor, clade A member 9	<i>SERPINA9</i>	PPH16847A	110	80.5°C

### **Tables S2-S5 (SupplTables SERPIN.xls)**

- **Table S2. Differentially expressed genes between naïve hMSC and chondrocytes.**  
hMSC, human bone marrow mesenchymal stem cells.
- **Table S3. Differentially expressed genes between naïve hMSC and chondrocytes with ROCK inhibitor Y27632.**  
hMSC, human bone marrow mesenchymal stem cells; ROCK, Rho-associated coiled-coil containing protein kinase.
- **Table S4. Differentially expressed genes between naïve hMSC and osteoblasts.**  
hMSC, human bone marrow mesenchymal stem cells.
- **Table S5. Differentially expressed genes between naïve hMSC and osteoblasts with ROCK inhibitor Y27632.**  
hMSC, human bone marrow mesenchymal stem cells; ROCK, Rho-associated coiled-coil containing protein kinase.