

Figure S1. Characterization of BM-MSCs derived from osteopetrosis patients and the donor (related to the information provided in the experimental procedures)

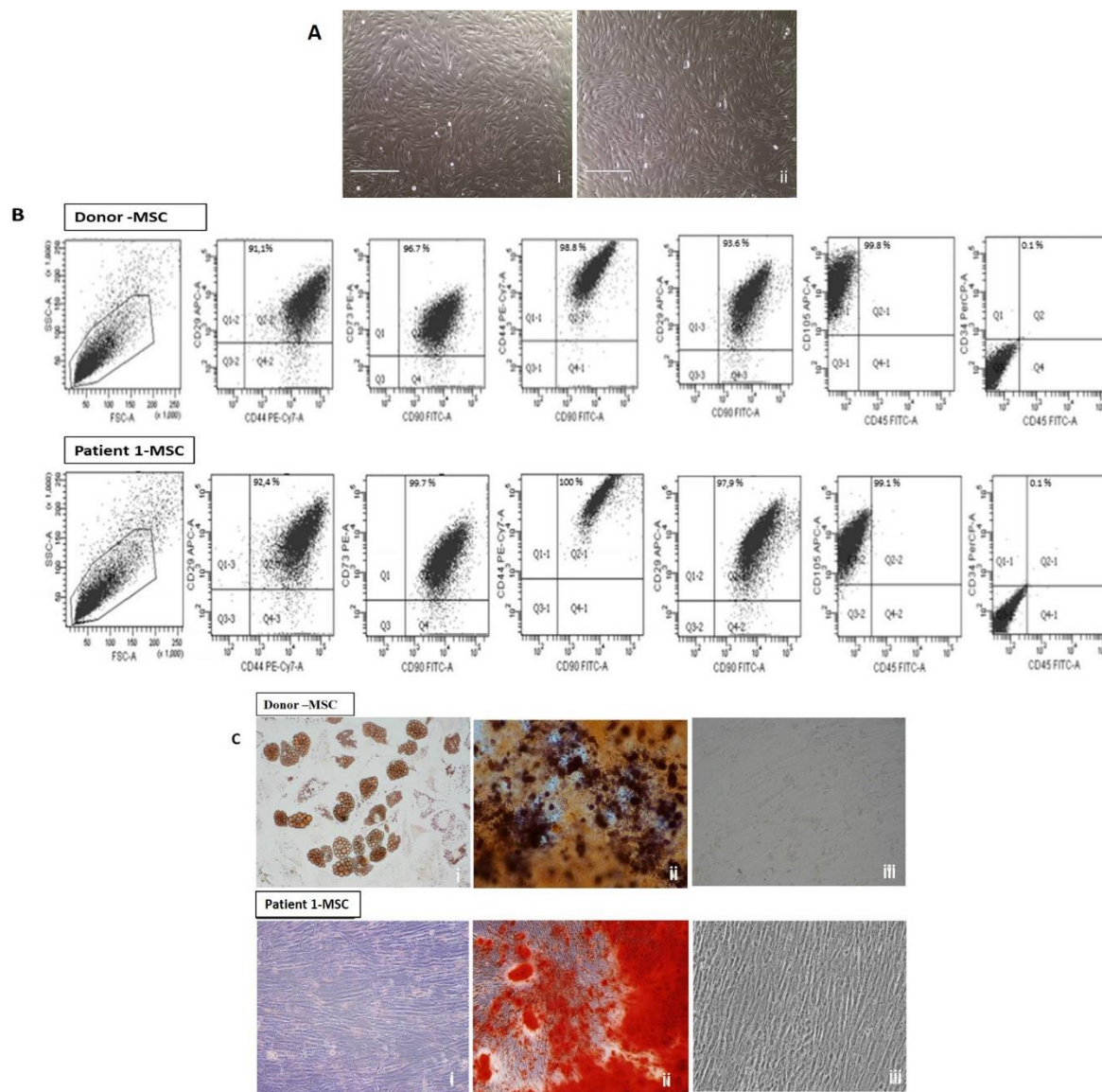


Figure S1. Characterization of BM-MSCs derived from osteopetrosis patients and the donor. A) Representative phase images of patient and donor MSCs. B) Flow cytometry analysis with MSC-specific markers CD29, CD44, CD73, CD90 and CD105. CD34 and CD45 are negative markers for MSCs. (C) Mesodermal differentiation potential of BM-MSCs. Representative images of differentiated MSCs, i- adipocytes (differentiated cells positive for oil red O stain), ii- osteoblasts (differentiated cells positive for Alizarin red stain), iii- negative control cells.