Supplementary Data



SUPPLEMENTARY FIG. S1. rhNELL-1 implant material contents and bi-level sheep vertebral implantation surgery. Surgery was performed 4 months post-OVX on n=6 osteoporotic sheep that were most responsive to osteoporosis induction as confirmed by DXA. The table shows rhNELL-1 implant material contents of sheep implant. The schematic illustrates a bi-level surgery of sheep vertebrae. 0.09 mg of rhNELL-1 was implanted in L2, and 2.25 mg of rhNELL-1 was implanted in L4 of n=3 randomly selected sheep. Control vehicles were implanted in L2 and L4 vertebrae of n=3 remaining sheep. L2 and L4 of sheep vertebrae are anatomically similar to human vertebrae as previously shown. Additionally, L2 and L4 are anatomically similar to each other. β -TCP, β -tricalcium phosphate; DXA, dual-energy X-ray absorptiometry; HA, hyaluronic acid; rhNELL-1, recombinant human NELL-1.