Supplementary materials for:

Genetically Modified Mouse Mesenchymal Stem Cells Expressing Non-Structural Proteins of Hepatitis C Virus Induce Effective Immune Response

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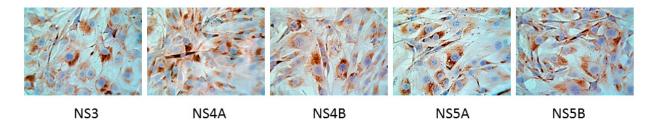


Figure S1. Immunohistochemical staining of HCV proteins in MSC transfected with pcNS3-NS5B 72 h post-transfection. Primary MSC cultures at 3rd-4th passages were transfected with the pcNS3-NS5B plasmid and later selected with G-418. Seventy two hours post-transfection the cells were stained with monoclonal antibodies against HCV proteins using immunoperoxidase method.

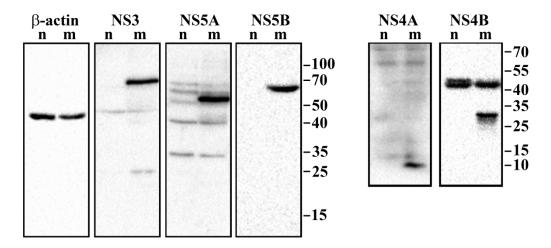


Figure S2. Immunoblot analysis of HCV proteins in MSC transfected with pcNS3-NS5B 72 h post-transfection. The NS3 (70 kDa), NS5A (56 kDa), and NS5B (67 kDa) proteins were resolved on 10% SDS-polyacrylamide gel, whereas the NS4A (6 kDa) and NS4B (27 kDa) proteins - on 15% gel. The proteins were transferred on a nitrocellulose membranes that were inclubated with the respective antibody. In case of NS4B, the membrane was incubated with rabbit anti-NS4B and mice anti-actin antibodies. Letters "n" and "m" denote naive and modified mesenchymal stem cells.