

Supporting information

ZIF-8/Doxorubicin Nanoparticles Camouflaged with *Cucurbita*-Derived Exosomes for Targeted Prostate Cancer Therapy

Adeleh Saffar ^a, Ahmad Reza Bahrami ^{a, b}, Amir Sh. Saljooghi ^{c, d}, Maryam

M. Matin ^{a, d*}

^a Department of Biology, Faculty of Science, Ferdowsi University of Mashhad, Mashhad,
Iran

^b Industrial Biotechnology Research Group, Institute of Biotechnology, Ferdowsi University
of Mashhad, Mashhad, Iran

^c Department of Chemistry, Faculty of Science, Ferdowsi University of Mashhad, Mashhad,
Iran

^d Novel Diagnostics and Therapeutics Research Group, Institute of Biotechnology, Ferdowsi
University of Mashhad, Mashhad, Iran

* Corresponding Author's e-mail: matin@um.ac.ir

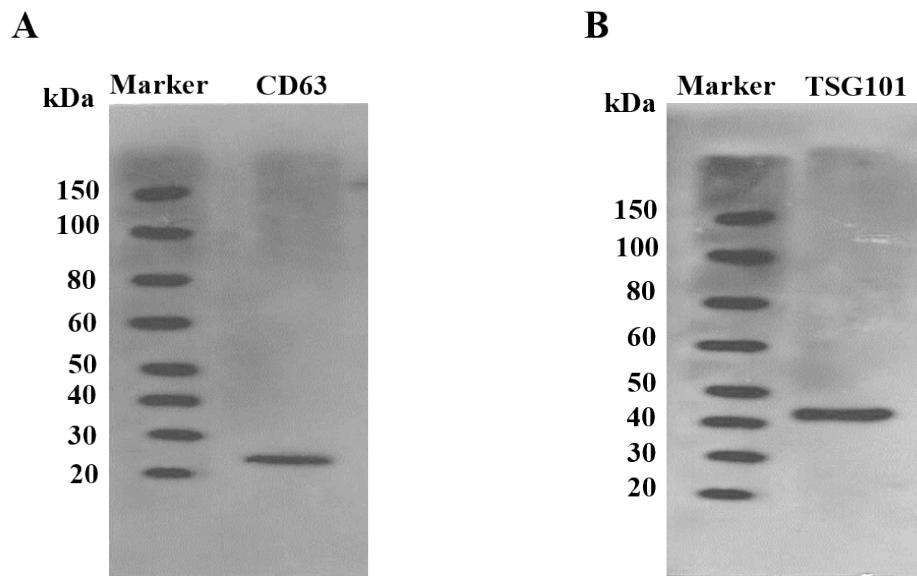


Fig. S1. Immunoblotting analysis of *Cucurbita moschata* exosome markers: CD63 (A) and TSG101 (B)

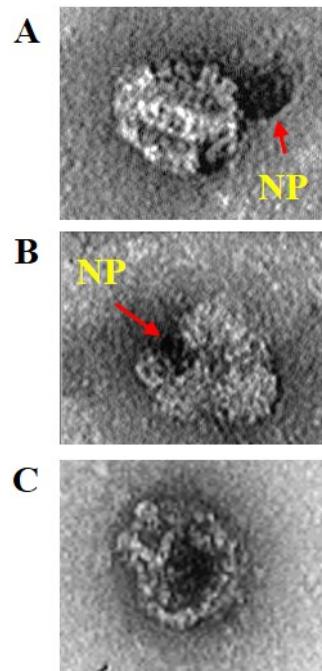


Fig. S2. Core-shell structure visualization. Illustration of the core-shell structure formed during the exosome coating process of ZIF-8/DOX nanoparticles, showing the adsorption (A), rupture (B), and fusion (C) steps.