ABSTRACT

The present application provides lipid nanoparticles comprising an ionizable lipid, a phospholipid, a structural lipid, and a PEG lipid. The lipid nanoparticles of the present application enable encapsulation and delivery of a therapeutic/prophylactic agent, safely deliver the therapeutic/prophylactic agent to a targeted position, and enable high expression, thereby exerting the effect of the therapeutic/prophylactic agent.