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# Personalized Cancer Vaccine RO7198457

National Cancer Institute

## Source

National Cancer Institute. *Personalized Cancer Vaccine RO7198457*. NCI Thesaurus. Code C140162.

An mRNA-based individualized, therapeutic cancer vaccine targeting an unspecified amount of tumor-associated antigens (TAAs) that are specifically expressed in the patient's cancer, with potential immunostimulatory and antineoplastic activities. Upon administration, the personalized cancer vaccine RO7198457 is taken up and translated by antigen presenting cells (APCs) and the expressed protein is presented via major histocompatibility complex (MHC) molecules on the surface of the APCs. This leads to an induction of both cytotoxic T-lymphocyte (CTL)- and memory T-cell-dependent immune responses against cancer cells expressing the TAA(s).