

[Open Peer Review on Qeios](#)

Autologous OFA-iLRP RNA-Transfected Dendritic Cell Vaccine

National Cancer Institute

Source

National Cancer Institute. *Autologous OFA-iLRP RNA-Transfected Dendritic Cell Vaccine*. NCI Thesaurus. Code C78830.

A cancer vaccine consisting of autologous, mature monocyte-derived dendritic cells (DCs) transfected with oncofetal antigen immature laminin receptor protein (OFA-iLRP) RNA, with potential antineoplastic activity. Upon administration, DCs in the OFA-iLRP RNA-transfected autologous dendritic cell vaccine express, process, and present OFA-iLRP to the host immune system, which may mount a potent cytotoxic T-cell (CTL) response against OFA-iLRP-expressing tumor cells. As a highly conserved protein, OFA-iLRP is preferentially expressed in fetal tissues and in many types of cancer, including hematopoietic malignancies, but is not detectable in normal differentiated adult cells.