

VEGFR-2 (VXM01) Circular RNA for Cancer Vaccine Research

Catalog Number: CVAC-ORNA-0477

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as CD25, interleukin-2, the early T-cell activation antigen CD69 and the lymphocyte function-associated antigen LFA-2. The immune response targets the fast growing VEGFR-2 expressing endothelial cells found in the tumor vasculature, thereby blocking angiogenesis which may ultimately inhibit tumor cell proliferation. VEGFR-2 is a receptor tyrosine kinase overexpressed on proliferating endothelial cells in the tumor vasculature. (NCIT_C99378).

Background

Description: An orally available DNA cancer vaccine containing an attenuated strain of the bacterium Salmonella typhimurium encoding murine vascular endothelial growth factor receptor 2 (VEGFR-2) (VXM01), with potential immunomodulating, anti-angiogenic and antineoplastic activity. Upon oral administration and successful transduction, VEGFR-2 DNA vaccine VXM01 expresses VEGFR-2 in addition to inducing the expression of T-cell activation markers, such