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# Murine TYRP2 Plasmid DNA Vaccine

National Cancer Institute

## Source

National Cancer Institute. *Murine TYRP2 Plasmid DNA Vaccine*. NCI Thesaurus. Code C77877.

A plasmid DNA vaccine encoding the mouse tumor associated antigen tyrosinase-related protein-2 (TYRP2) with potential immunostimulating and antineoplastic activities. Upon administration, murine TYRP2 plasmid DNA vaccine may stimulate the host immune system to mount a cytotoxic T lymphocyte (CTL) response against tumor cells expressing TYRP2; this vaccine may also induce an immune response against tyrosinase-related protein-1 (TYRP1). TYRP2 and TYRP1, melanosomal membrane glycoproteins upregulated in melanoma cells, are involved in melanin synthesis.