

## mRNA-CD152 (CTLA4)

mRNA-CD152 (CTLA-4, Cytotoxic T-Lymphocyte Associated Protein 4) is a ready-to-use mRNA product encoding the CTLA-4 molecule. It is suitable for T cell immune suppression studies, immune checkpoint research, mRNA delivery research, and tumor immunology investigations. CTLA-4 is a critical immune checkpoint molecule expressed on the surface of T cells. By binding to CD80/CD86, it negatively regulates T cell activation and plays a key role in immune tolerance, tumor immune evasion, and autoimmune diseases. CTLA-4 is a major target in immunotherapy, and anti-CTLA-4 monoclonal antibodies (such as Ipilimumab) have been used in cancer immunotherapy.

Name	Cat.No	Scale	State
mRNA-CD152 (CTLA4)	LS-RMAbt-016	1mg	Lyophilized/Liquid

**Concentration:** 1mg/mL

**Storage Buffer:** ddH<sub>2</sub>O pH=7.0

**mRNA length:** 969 nt

**Amino acid sequence size:** 223 kDa

**Handling and Storage:** store at – 80°C for long term

**Cell Expression result:**

Cell Line: A549 Culture Plate: 96-well plate Cell Confluency: 80%

Transfection Dose: 200 ng per well



**Amino acid sequence:**

MACLGFQRHKAQLNLRTRWPCTLLFFLLFIPVFCKAMHVAQPAVVCLASSRGIASFVC  
EYASPGKATEVRVTVLRQADSQVTEVCAATYMMGNELTFLDDSICTGTSSGNQVNLT  
IQGLRAMDTGLYICKVELMYPPPYLIGINGTQIYVIDPEPCPDSDFLLWILAAVSSGLF  
FYSFLLTAVSLSKMLKKRSPLTTGVYVKMPPTPEPECEKQFQPYFIPIN