

## mRNA-PD1 (PDCD1)

mRNA-PD1 (Programmed Cell Death Protein 1, PDCD1) is a ready-to-use mRNA product encoding the PD-1 receptor. It is suitable for T cell function studies, tumor immunology research, and anti-PD-1 immunotherapy development. PD-1 is an immune checkpoint receptor that binds to PD-L1 to suppress T cell activity, thereby maintaining immune tolerance in the tumor microenvironment and during chronic viral infections. PD-1 is a critical target for immune checkpoint inhibitors such as Nivolumab and Pembrolizumab.

Name	Cat.No	Scale	State
mRNA-PD1 (PDCD1)	HX-mRNA064	1mg	Lyophilized/Liquid

**Concentration:** 1mg/mL

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

**mRNA length:** 1164 nt

**Amino acid sequence size:** 288 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:**

MQIPQAPWPVWVAVLQLGWRPGWFLDSPDRPWNPPTFSPALLVVTEGDNATFTCS  
FSNTSESFVLNWYRMSPSNQTDKLAAPEDRSQPGQDCRFRVTQLPNGRDFHMSV  
VRARRNDSGTYLCGAISLAPKAQIKESLRAELRVTERRAEVPTAHPSPSRPAGQFQT  
LVVGVVGGLLGSLVLLVWVLAVICSRAARGTIGARRTGQPLKEDPSAVPVFSVDYGEL  
DFQWREKTPEPPVPCVPEQTEYATIVFPSGMGTSSPARRGSADGPRSAQPLRPEDG  
HCSWPL