

mRNA-TIGIT

mRNA-TIGIT is an in vitro transcribed (IVT) messenger RNA product that encodes the human TIGIT protein (T cell immunoreceptor with Ig and ITIM domains). TIGIT is an inhibitory immune checkpoint molecule expressed on the surface of immune cells such as T cells and natural killer (NK) cells. By binding to its ligands (such as CD155), TIGIT suppresses T cell proliferation, cytotoxic responses, and the secretion of inflammatory cytokines, thereby contributing to immunosuppression within the tumor microenvironment.

Name	Cat.No	Scale	State
mRNA-TIGIT	HX-mRNA082	1mg	Lyophilized/Liquid

Concentration: 1mg/mL

Storage Buffer: ddH₂O pH=7.0

mRNA length: 1032 nt

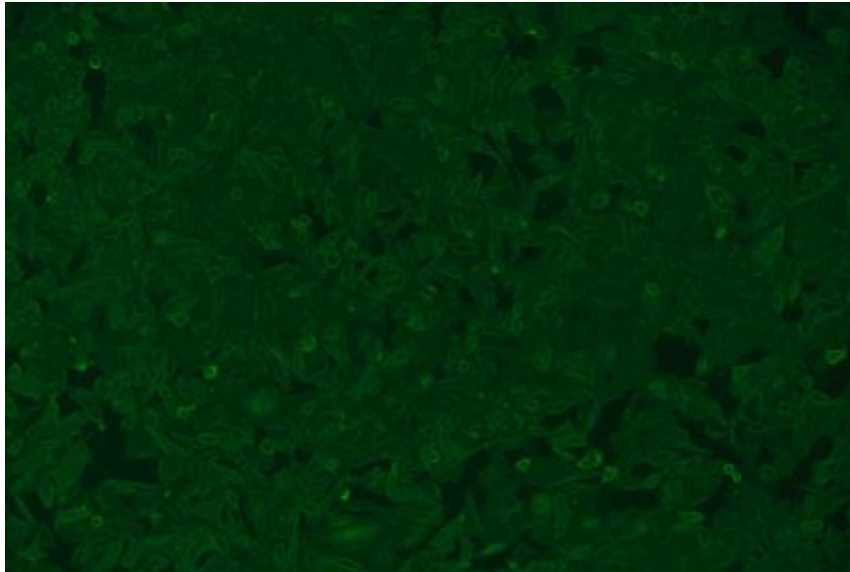
Amino acid sequence size: 244 kDa

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

Cell Expression result:

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

Transfection Dose: 200 ng per well



Amino acid sequence:

MRWCLLLIWAQGLRQAPLASGMMTGTIETTGNISAEEKGGSILQCHLSSTTAQVTQV
NWEQQDQLLAICNADLGWHISPSFKDRVAPGPGGLGLTLQSLTVNDTGEYFCIYHTYP
DGYTGRIFLEVLESSVAEHGARFQIPLLGAMAATLVVICTAVIVVVALTRKKKALRIHS
VEGDLRRKSAGQEEWSPSAPSPPGSCVQAEAAPAGLCGEQRGEDCAELHDYFNVL
SYRSLGNCSFFTETG