mRNA-CD8 (αβ)

mRNA-CD8 (αβ) is an in vitro transcribed (IVT) messenger RNA co-encoding both CD8α (CD8A) and CD8β (CD8B) chains, the heterodimeric coreceptor complex that enhances T cell antigen recognition by binding to MHC class I molecules. This synthetic mRNA enables controlled co-expression of functional CD8αβ heterodimers for research in cytotoxic T lymphocyte (CTL) development, adoptive immunotherapy engineering, and studies of immune synapse formation.

Name	Cat.No	Scale	State
mRNA-CD8 (αβ)	HX-mRNA147	1mg	Lyophilized/Liquid

Concentration: 1mg/mL

Storage Bufer: ddH_2O ph=7.0

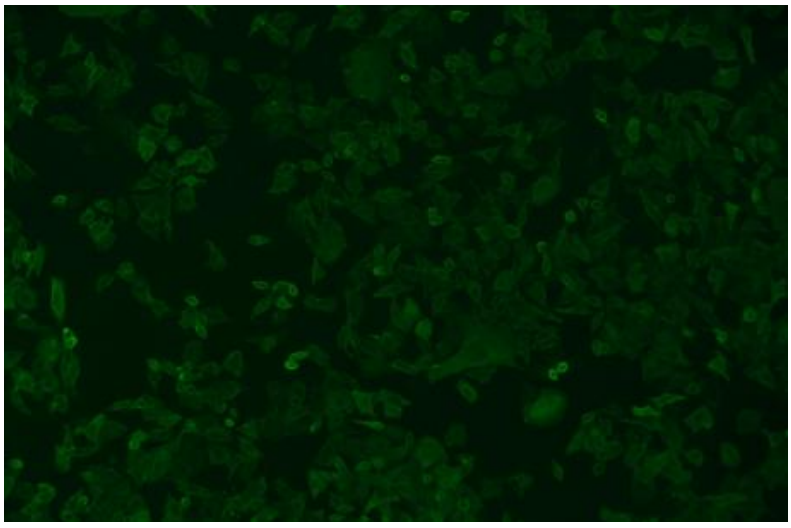
mRNA length: 1695 nt

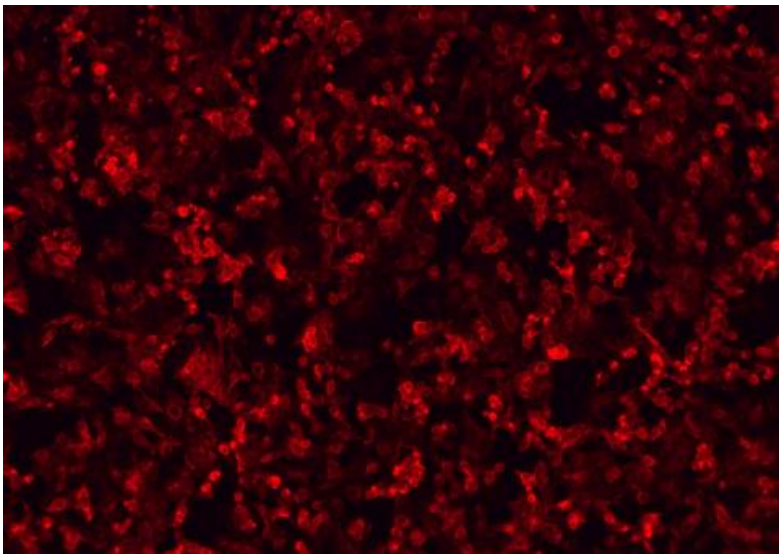
Amino acid sequence size: 465 kDa

Handling and Storage: store at – 80℃ 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:

MALPVTALLLPLALLLHAARPSQFRVSPLDRTWNLGETVELKCQVLLSNPTSGCSWL
FQPRGAAASPTFLLYLSQNKPKAAEGLDTQRFSGKRLGDTFVLTLSDFRRENEGYYF
CSALSNSIMYFSHFVPVFLPAKPTTTPAPRPPTPAPTIASQPLSLRPEACRPAAGGAVH
TRGLDFACDIYIWAPLAGTCGVLLLSLVITLYCNHRNRRRVCKCPRPVVKSGDKPSLSA
RYVGATNFSLLKQAGDVEENPGPMRPRLWLLLAAQLTVLHGNSVLQQTPAYIKVQTN
KMVMLSCEAKISLSNMRIYWLRQRQAPSSDSHHEFLALWDSAKGTIHGEEVEQEKIA
VFRDASRFILNLTSVKPEDSGIYFCMIVGSPELTFGKGTQLSVVDFLPTTAQPTKKSTL
KKRVCRLPRPETQKGPLCSPITLGLLVAGVLVLLVSLGVAIHLCCRRRRARLRFMKQFY
K