mRNA-CD4

mRNA-CD4 is an in vitro transcribed (IVT) messenger RNA encoding the CD4 protein, a crucial co-receptor expressed primarily on helper T cells that plays a central role in adaptive immune responses by interacting with MHC class II molecules on antigen-presenting cells. This synthetic mRNA enables controlled expression of CD4 for research in T cell development, HIV entry mechanisms, autoimmune disease models, and immunotherapy development, particularly in studies of immune cell signaling and antigen recognition.

Name	Cat.No	Scale	State
mRNA-CD4	HX-mRNA093	1mg	Lyophilized/Liquid

Concentration: 1mg/mL

Storage Bufer: ddH_2O ph=7.0

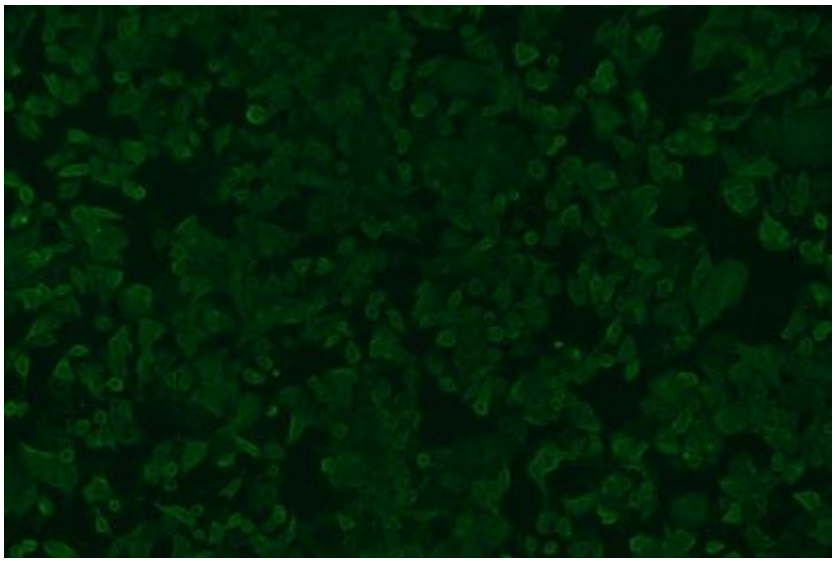
mRNA length: 1674 nt

Amino acid sequence size: 458 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:

MNRGVPFRHLLLVLQLALLPAATQGKKVVLGKKGDTVELTCTASQKKSIQFHWKNSN
QIKILGNQGSFLTKGPSKLNDRADSRRSLWDQGNFPLIIKNLKIEDSDTYICEVEDQKE
EVQLLVFGLTANSDTHLLQGQSLTLTLESPPGSSPSVQCRSPRGKNIQGGKTLSVSQL
ELQDSGTWTCTVLQNQKKVEFKIDIVVLAFQKASSIVYKKEGEQVEFSFPLAFTVEKL
TGSGELWWQAERASSSKSWITFDLKNKEVSVKRVTQDPKLQMGKKLPLHLTLPQAL
PQYAGSGNLTLALEAKTGKLHQEVNLVVMRATQLQKNLTCEVWGPTSPKLMLSLKLE
NKEAKVSKREKAVWVLNPEAGMWQCLLSDSGQVLLESNIKVLPTWSTPVQPMALIV
LGGVAGLLLFIGLGIFFCVRCRHRRRQAERMSQIKRLLSEKKTCQCPHRFQKTCSPI