

mRNA-CD247 (CD3 zeta)

mRNA-CD247 (also known as CD3Z or CD3 zeta chain) is a ready-to-use mRNA product encoding the CD3 zeta chain of the T cell receptor complex (TCR-CD3 complex). It is suitable for T cell activation research, immune signaling studies, mRNA delivery research, and cell therapy development. CD3Z plays a central role in T cell receptor (TCR) signal transduction by activating downstream signaling pathways through its ITAM (Immunoreceptor Tyrosine-based Activation Motif) domains, and is essential for T cell proliferation, cytotoxicity, and immune responses.

| Name | Cat.No | Scale | State |
|--------------------------|------------|-------|--------------------|
| mRNA-CD247 (CD3 zeta) | HX-mRNA028 | 1mg | Lyophilized/Liquid |

Concentration: 1mg/mL

Storage Buffer: ddH₂O pH=7.0

mRNA length: 792 nt

Amino acid sequence size: 164 kDa

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

Amino acid sequence:

MKWKALFTAAILQAQLPITEAQSFGLLDPKLCYLLDGILFIYGVILTALFLRVKFSRSAD
 APAYQQGQNQLYNELNLGRREEYDVLDKRRGRDPEMGGKPQRRKNPQEGLYNELQ
 KDKMAEAYSEIGMKGERRRGKGDGLYQGLSTATKDTYDALHMQALPPR