

mRNA-TNFR1

mRNA-TNFR1 (TNFRSF1A, Tumor Necrosis Factor Receptor 1) is a ready-to-use mRNA product encoding TNFR1. It is suitable for apoptosis research, inflammation and immune signaling pathway studies, mRNA delivery research, and autoimmune disease investigations. TNFR1 is one of the primary receptors for tumor necrosis factor-alpha (TNF- α) and is widely expressed in most mammalian cells. It plays a critical role in inflammatory responses, apoptosis, necrosis, and autoimmune regulation. TNFR1 mediates activation of the NF- κ B signaling pathway and apoptosis/necrosis pathways via TRADD, FADD, and RIPK1, making it highly relevant in research on cancer, chronic inflammation, and autoimmune diseases such as rheumatoid arthritis and Crohn's disease.

Name	Cat.No	Scale	State
mRNA-TNFR1	HX-mRNA041	1mg	Lyophilized/Liquid

Concentration: 1mg/mL

Storage Buffer: ddH₂O pH=7.0

mRNA length: 1638 nt

Amino acid sequence size: 446 kDa

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

Amino acid sequence:

MEAPAQLLFLLLLWLPD TTGLVPHLGDREKRDSVCPQGKYIHPQNNSICCTKCHKGT
 YLYNDPCPGPGQD TDCRECESGSFTASENHLRHCLSCSKCRKEMGQVEISSCTVDRD
 TVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQEKQNTVCTCHAGFFLREN
 ECVSCSNCKKSLECTKLCLPQIENVKGTEDSGTTVLLPLVIFLGLCLLSLLFIGLMYRYQ
 RWKSKLYSIVCGKSTPEKEGELEGT TTKPLAPNPSFSPTPGFTPTLGFSPVPSSTFTSS
 STYTPGDCPNFAAPRREVAPPYQGADPILATALASDPIP NPLQKWEDSAHKPQSLDT
 DDPATLYAVVENVPPLRWKEFVRRRLGLSDHEIDRLELQNGRCLREAQYSMLATWRRR
 TPRREATLELLGRVLRDMDLLGCLEDIEEALCGPAALPPAPSLLR