

## mRNA-IL12( $\alpha\beta$ )

mRNA-IL12( $\alpha\beta$ ) is a ready-to-use mRNA product encoding IL-12 $\alpha$  (p35) and IL-12 $\beta$  (p40) , IL-12 is a potent immunomodulatory , cytokine that promotes Th1 immune responses, activates NK and CD8+T cells , and enhances IFN- $\gamma$  secretion, making it highly valuable in cancer immunotherapy and immune activation studies.

Name	Cat.No	Scale	State
mRNA-IL12( $\alpha\beta$ )	HX-mRNA078	1mg	Lyophilized/Liquid

**Concentration:** 1mg/mL

**Storage Buffer:** ddH<sub>2</sub>O ph=7.0

**mRNA length:** 1920 nt

**Amino acid sequence size:** 540 kDa

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

### Amino acid sequence:

MCHQQLVISWFSLVFLASPLVAIWELKKDVYVVELDWYPDAPGEMVVLTCDTPEEDG  
 ITWTLDQSSEVLGSGKTLTIQVKEFGDAGQYTCHKGGVLSHSLLLLHKKEDGIWST  
 DILKDQKEPKNKTFLRCEAKNYSGRFTCWLLTTISTDLTFSVKSSRGSSDPQGVTCG  
 AATLSAERVGRDNKEYEYSVECQEDSACPAAEESLPIEVMVDAVHKLKYENYTSSFFI  
 RDIKPDPPKNLQLKPLKNSRQVEVSWEYPDTWSTPHSYFSLTFCVQVQGKSKREKK  
 DRVFTDKTSATVICRKNASISVRAQDRYSSSSWSEWASVPCSGGGGSGGGGSGGG  
 GSRNLPVATPDPGMFPCLLHHSQNLLRAVSNMLQKARQTLEFYPCTSEEIDHEDITKD  
 KTSTVEACLPLELTKNESCLNSRETSFITNGSCLASRKTSFMMALCLSSIYEDLKMYQV  
 EFKTMNAKLLMDPKRQIFLDQNMLAVIDELMQALNFNSETVPQKSSLEEPDFYKTKIK  
 LCILLHAFRIRAVTIDRVMSYLNAS