mRNA-STEAP1

mRNA-STEAP1 is an in vitro transcribed (IVT) messenger RNA encoding the six-transmembrane epithelial antigen of the prostate 1 (STEAP1), a metalloreductase overexpressed in prostate cancer and other solid tumors that regulates iron/copper homeostasis and promotes tumor cell proliferation. This synthetic mRNA enables controlled expression of STEAP1 for research in tumor metabolism, therapeutic antibody development (e.g., STEAP1-targeted ADCs), and engineering of STEAP1-specific CAR-T cell therapies for prostate and bladder cancers.

Name	Cat.No	Scale	State
mRNA-STEAP1	HX-mRNA192	1mg	Lyophilized/Liquid

Concentration: 1mg/mL

Storage Bufer: ddH_2O ph=7.0

mRNA length: 1317 nt

Amino acid sequence size: 339 kDa

Handling and Storage: store at – 80℃ for long term

Amino acid sequence:

MESRKDITNQEELWKMKPRRNLEEDDYLHKDTGETSMLKRPVLLHLHQTAHADEFD
CPSELQHTQELFPQWHLPIKIAAIIASLTFLYTLLREVIHPLATSHQQYFYKIPILVINKVL
PMVSITLLALVYLPGVIAAIVQLHNGTKYKKFPHWLDKWMLTRKQFGLLSFFFAVLHAI
YSLSYPMRRSYRYKLLNWAYQQVQQNKEDAWIEHDVWRMEIYVSLGIVGLAILALLA
VTSIPSVSDSLTWREFHYIQSKLGIVSLLLGTIHALIFAWNKWIDIKQFVWYTPPTFMIA
VFLPIVVLIFKSILFLPCLRKKILKIRHGWEDVTKINKTEICSQL