



mRNA Vaccine



What is mRNA?!

mRNA is known as a messenger RNA which does NOT contain live virus.

mRNA is exciting technology that has been studied and used in science for many years.

mRNA attaches to the cell and makes a “spike protein” which causes an immune response.

Other vaccines often used weakened or inactivated version or components of disease-causing pathogen.

mRNA has our cells create part of a protein that is similar to the one found on the virus. This does not harm you, but is able to trigger the immune response which produces antibodies that help keep you from becoming infected if the virus enters your body.

Once the spike is made, the cell breaks down the mRNA and disposes of it.

The mRNA strand NEVER enters the nucleus of the cell which means it cannot change your DNA.



For more COVID-19 information go to our website:
scph.org

mRNA content adapted from Stark County Health Department