

32-9197: Recombinant SARS-CoV-2 NSP8 (C-His)

Alternative Name : Non-Structural Protein 8; nsp8

Description

Source : E. coli;

The replication of coronavirus is operated by a set of non-structural proteins (nsps) encoded by open reading frame 1a (ORF1a) and ORF1ab in its genome. NSP8 is a component of the coronavirus replicase polyprotein that forms a replication complex. It can form a dimer with NSP7 and subsequently assembles into a large hexadecameric structure, which participates in viral replication by acting as a primase. NSP8 was shown to have RNA-dependent RNA polymerase (RdRp) activity that is necessary for producing primers utilized by NSP12 which is normally accepted to be the RdRp for SARS-CoV.

Product Info

Amount : 500 µg / 50 µg

Content : Supplied as a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, 10%Glycerol, 4mM MgCl₂, pH8.0

Amino Acid : Recombinant SARS-CoV-2 NSP8 is produced by our E.coli expression system and the target gene encoding Ala1-Gln198 is expressed with a 8His tag at the C-terminus.