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32-9196: Recombinant SARS-CoV-2 NSP7 (C-His)

Alternative Name : Non-Structural Protein 7; nsp7

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. NSP7 is a component of the coronavirus replicase polyprotein that forms a replication complex. NSP7 is conserved among all coronavirus. It can form a dimer with NSP8 and subsequently assembles into a large hexadecameric structure, which participates in viral replication by acting as a primase. The NSP12-NSP7-NSP8 subcomplex is found to be the minimal core component for the synthesis of coronavirus RNA. NSP7 is of interest for its potential roles in the transcription and replication of the positive-stranded viral RNA genome.

Product Info

Amount : 500 µg / 50 µg

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

Amino Acid : Recombinant SARS-CoV-2 NSP7 is produced by our E.coli expression system and the target gene encoding Ser1-Gln83 is expressed with a 8His tag at the C-terminus.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.