



Recombinant SARS-CoV-2 NSP8 [His] (DAGC169)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Recombinant SARS-CoV-2 NSP8 is produced by our E.coli expression system and the target gene encoding Ala1-Gln198 is expressed with a 6His tag at the C-terminus.
Species	coronavirus
Purity	Greater than 85% as determined by reducing SDS-PAGE.
Conjugate	His
Molecular Weight	25kDa
Format	Liquid
Size	50 µg
Buffer	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.5.
Preservative	None
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

BACKGROUND

Introduction	Cleavage by the viral main protease, 3CLpro results in generating the nsp8 protein, The nsp8 protein has been shown to associate with several other nsps and to colocalize with these nsps in cytoplasmic complexes that are important for viral RNA synthesis. It forms a hexadecamer with nsp7 (8 subunits of each) that may participate in viral replication by acting as a primase. Alternatively, may synthesize substantially longer products than oligonucleotide primers. Nsp8 was shown to have RNA-dependent RNA polymerase (RdRp) activity that could be involved in
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producing primers utilized by nsp12 which is normally accepted to be the RdRp for SARS-CoV.

Keywords

SARS-CoV-2 NSP8; SARS-CoV-2
