



Recombinant SARS-CoV-2 NSP7 + NSP8 Protein [His] (DAGC224)

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

PRODUCT INFORMATION

Product Overview	SARS-CoV-2 NSP7&NSP8, His Tag is expressed from E.coli cells. It contains AA Ser 1 - Gln 83 (NSP7) & Ala 1 - Gln 198 (NSP8) (Accession # YP_009725303.1 (NSP7) & YP_009725304.1 (NSP8)). This protein carries a polyhistidine tag.
Species	SARS-CoV-2
Purity	>95% as determined by SDS-PAGE.
Conjugate	His
Applications	SDS-PAGE
Predicted N terminal	Met
Molecular Weight	The protein has a calculated MW of 32.1 kDa. The protein migrates as 28-32 kDa under reducing (R) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per ug by the LAL method.
Format	Liquid
Size	100 µg, 1 mg
Buffer	Delivered as bulk protein in a 0.2 um filtered solution of PBS, pH7.4 with glycerol as protectant.
Preservative	None
Storage	Store at -70°C or lower upon receipt.
Ship	Shipped with dry ice

BACKGROUND

Introduction

During the formation of the coronaviral replication/transcription complex, essential steps include processing of the conserved polyprotein nsp7-10 region by the main protease Mpro and subsequent complex formation of the released nsp's. Upon infecting host cells, coronaviruses assemble a multi-subunit RNA-synthesis complex of viral non-structural proteins (nsp) responsible for the replication and transcription of the viral genome. non-structural proteins 7 (NSP7) forms a hexadecamer with nsp8 (8 subunits of each) that may participate in viral replication by acting as a primase. Alternatively, may synthesize substantially longer products than oligonucleotide primers.

Keywords

SARS-CoV-2 NSP7; SARS-CoV-2 NSP8; SARS-CoV-2