



Recombinant SARS-CoV-2 NSP7 [His] (DAGC168)

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

PRODUCT INFORMATION

Product Overview	Recombinant SARS-CoV-2 NSP7 is produced by our E.coli expression system and the target gene encoding Ser1-Gln83 is expressed with a 6His tag at the C-terminus.
Species	coronavirus
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Conjugate	His
Molecular Weight	12.3kDa
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	The ~30kb positive-stranded RNA genome of coronaviruses encodes a replication/transcription machinery that is unusually complex and composed of 16 nonstructural proteins (nsps). The four proteins nsp7 to nsp10, which are conserved among all CoVs but have no functional homologs outside of the Coronaviridae, are translated as part of the viral polyproteins pp1a and pp1ab, and the mature proteins are released by the action of the SARS-CoV protease nsp5. Hexadecamer
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of nsp7 and nsp8 may possess dsRNA-binding activity. SARS-CoV 2 nonstructural protein 7 (nsp7) is of interest for its potential roles in the transcription and replication of the positive-stranded viral RNA genome.

Keywords	SARS-CoV-2 NSP7; SARS-CoV-2
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