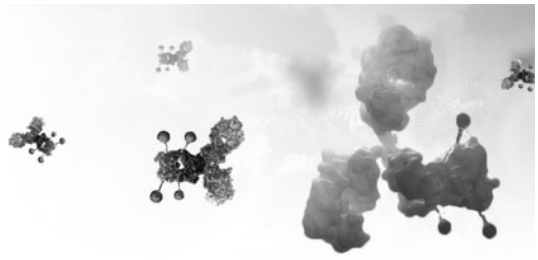

Recombinant SARS-CoV-2 NSP15 [His] (DAGC204)

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

PRODUCT INFORMATION

Product Overview	Recombinant SARS-CoV-2 NSP15 is produced by E.coli expression system and the target gene encoding Gln6452-Gln6798 is expressed with N-His Tag.
Nature	Recombinant
Expression System	E.coli
Species	SARS-CoV-2
Purity	> 90 % as determined by SDS-PAGE.
Conjugate	His
Applications	Immunogen
Molecular Weight	Predicted molecular weight 41.24kDa
Procedure	None
Format	Liquid/Lyophilized
Size	100 μg
Buffer	Supplied as solution form in PBS, pH 7.5/Supplied as lyophilized from PBS,pH 7.5
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for one week. Store at -20 to -80°C for twelve months from the date of receipt.

BACKGROUND

45-1 Ramsey Road, Shirley, NY 11967, USA
Email:info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
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Introduction	Nonstructural protein 15 (nsp15) encodes an endoribonuclease that is highly conserved among vertebrate nidoviruses (coronaviruses and arteriviruses) and plays a critical role in viral replication and transcription. Nsp15 is an IFN antagonist and it inhibits interferon-β production via an endoribonuclease activity-independent mechanism. Importantly, Nsp8 was found to interact with both monomeric and hexameric Nsp15. The Nsp7/Nsp8 complex displays a higher binding affinity for Nsp15. Furthermore, Nsp8 and the Nsp7/Nsp8 complex also enhance the NendoU activity of hexameric Nsp15 in vitro Taking the findings together.
Keywords	SARS-CoV-2 NSP15; SARS-CoV-2

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