

## Product datasheet for **TP724998**

### SARS-CoV-2 Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant SARS-CoV-2 NSP8 (C-His)
<b>Species:</b>	SARS-CoV-2
<b>Expression cDNA Clone or AA Sequence:</b>	Ala1-Gln198
<b>Tag:</b>	C-TEV-8His
<b>Buffer:</b>	Supplied as a 0.2 um filtered solution of 20mM Tris, 150mM NaCl, 10%Glycerol, 4mM MgCl <sub>2</sub> , pH8.0
<b>Note:</b>	Recombinant SARS-CoV-2 NSP8 is produced by our E.coli expression system and the target gene encoding Ala1-Gln198 is expressed with a 8His tag at the C-terminus.
<b>Stability:</b>	12 months from date of despatch
<b>Summary:</b>	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. NSP8 is a component of the coronavirus replicase polyprotein that forms a replication complex. It can form a dimer with NSP7 and subsequently assembles into a large hexadecameric structure, which participates in viral replication by acting as a primase. NSP8 was shown to have RNA-dependent RNA polymerase (RdRp) activity that is necessary for producing primers utilized by NSP12 which is normally accepted to be the RdRp for SARS-CoV.



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