

## Product datasheet for **TP727646**

### 2019-nCoV Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant 2019-nCoV Guanine-N7_meth (N-6His)
Species:	2019-nCoV
Expression cDNA Clone or AA Sequence:	Ala1-Gln527
Tag:	N-6His-Avi
Buffer:	Supplied as a 0.2 um filtered solution of PBS, 10% Glycerol, pH 7.4.
Note:	Recombinant 2019-nCoV Guanine-N7 methyltransferase is produced by our E.coli expression system and the target gene encoding Ala1-Gln527 is expressed with a 6His tag at the N-terminus.
Stability:	12 months from date of despatch
Summary:	The nonstructural protein (nsp) 14 of SARS-CoV 2 was identified as a cap (guanine-N7)-methyltransferase (N7-MTase). Nsp14 of coronaviruses two different activities: an exoribonuclease activity acting on both ssRNA and dsRNA in a 3' to 5' direction and a N7-guanine methyltransferase activity. It may be involved in the proof-reading ability during the viral RNA replication and transcription. GTP, dGTP as well as cap analogs GpppG, GpppA and m7GpppG could be methylated by nsp14.



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