



Recombinant 2019-nCoV Guanine-N7_meth (N-6His)

Catalog #	EPT003
Expression Host	E.coli
DESCRIPTION	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.
Accession	YP_009725309.1
Synonyms	SARS-CoV 2 nsp14; SARS-CoV 2 ExoN; Guanine-N7 methyltransferase
Mol Mass	62.9 KDa
AP Mol Mass	60 KDa, reducing conditions
Purity	Greater than 85% as determined by reducing SDS-PAGE.
Endotoxin	
FORMULATION	Supplied as a 0.2 μ m filtered solution of PBS, 10% Glycerol, pH 7.4.
RECONSTITUTION	





SHIPPING

The product is shipped on dry ice/polar packs.

Upon receipt, store it immediately at the temperature listed below.

STORAGE

Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt.

Store at $\leq -70^{\circ}\text{C}$, stable for 3 months under sterile conditions after opening.

Please minimize freeze-thaw cycles.

BACKGROUND

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.

