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Product Datasheet

Recombinant 2019-nCoV Guanine-N7_meth (N-6His) EBT-EPT003

Article Name	Recombinant 2019-nCoV Guanine-N7_meth (N-6His)
Biozol Catalog Number	EBT-EPT003
Supplier Catalog Number	EPT003
Alternative Catalog Number	EBT-EPT003-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product 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....
Molecular Weight	Molecular weight: 62.9 KDa. Apparent molecular weight: 60 KDa, reducing conditions
UniProt	YP_009725309.1
Purity	Greater than 85% as determined by reducing SDS-PAGE.
Application Notes	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