

Electronic Supplementary Material

SARS-coronavirus-2 Nsp13 Possesses NTPase and RNA Helicase Activities That Can Be Inhibited by Bismuth Salts

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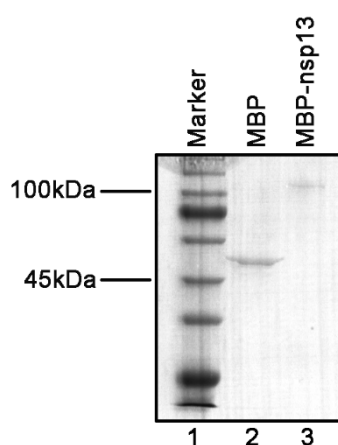


Fig. S1. Expression of recombinant SARS-CoV-2 nsp13. The purified MBP alone (lane 2) and MBP-fusion SARS-CoV nsp13 (lane 3) were subjected to 10% SDS-PAGE followed by Coomassie brilliant blue R250 staining. Lane 1, protein marker.

Table S1. The primers used in this study.

Primer	Sequence (5'-3')
SARS-CoV-2 nsp13-F- <i>Bma</i> H1	CGGGATCCATGGCTGTTGGGGCTTGTGTTCTTTGCAATTCACAGACTTC
SARS-CoV-2 nsp13-R- <i>Sal</i> 1	GCGTCGACTCATTGCAACTTGTCATAAAGGTCTCT ATCAGACATTATGC

Table S2. The oligonucleotides used in this study.

Oligonucleotide	Sequence (5'-3') *
RNA1	CAUUAUCGGAUAGUGGAACCUAGCUUCGACUAUCGGAUAAUC
RNA2	AUAGUCGAAGCUAGGUUCCACUAU
RNA3	CGAUAGUCGAAGCUAGGUUCCACUAUCC
RNA4	GAUUAUCCGAUAGUCGAAGCUAGG
RNA5	GCUAGGUUCCACUAUCCGAUAAUG
RNA6	GAUUAUCCGAUAGUCGAAGCUAGGUUCCACUAUCCGAUAAUG

*HEX-labeled strands are in boldface.