His-tagged SARS-CoV-2 variant Arg203Lys/Gly204Arg Nucleocapsid protein

N-terminal mini-histidine-tagged fusion protein derived from Severe Acute Respiratory Syndrome coronavirus 2 nucleocapsid protein (SARS-CoV-2). NCBI Reference Sequence: Accession No. QIQ08827. Residues 9 – 426 of the sequence below (N-terminal histidine tag underlined) match amino acids 2- 419 of QIQ08827.

>Protein sequence

MHHHHHHGSDNGPQNQRNAPRITFGGPSDSTGSNQNGERSGARSKQRRPQGLPNNTASWFTA
LTQHGKEDLKFPRGQGVPINTNSSPDDQIGYYRRATRRIRGGDGKMKDLSPRWYFYYLGTGP
EAGLPYGANKDGIIWVATEGALNTPKDHIGTRNPANNAAIVLQLPQGTTLPKGFYAEGSRGG
SQASSRSSSRSRNSSRNSTPGSSKRTSPARMAGNGGDAALALLLLDRLNQLESKMSGKGQQQ
QGQTVTKKSAAEASKKPRQKRTATKAYNVTQAFGRRGPEQTQGNFGDQELIRQGTDYKHWPQ
IAQFAPSASAFFGMSRIGMEVTPSGTWLTYTGAIKLDDKDPNFKDQVILLNKHIDAYKTFPP
TEPKKDKKKKADETQALPQRQKKQQTVTLLPAADLDDFSKQLQQSMSSADSTQA

Tag: MHHHHHHG (note N-terminal methionine removed by *E. coli*)

Host: *Escherichia coli*

Purity: Estimated by SDS-PAGE Nucleocapsid with less than 5% *E. coli* contaminant proteins.

Molecular Weight Experimental by Electrospray Ionisation MS, $M+H^+$ ion is 46577.0 within 0.002% of calculated mass of $M+H^+$ ion (46577.72).

Formulation/Buffer composition: HEPES buffered saline, 5% glycerol, 1 mM EDTA, pH 8.

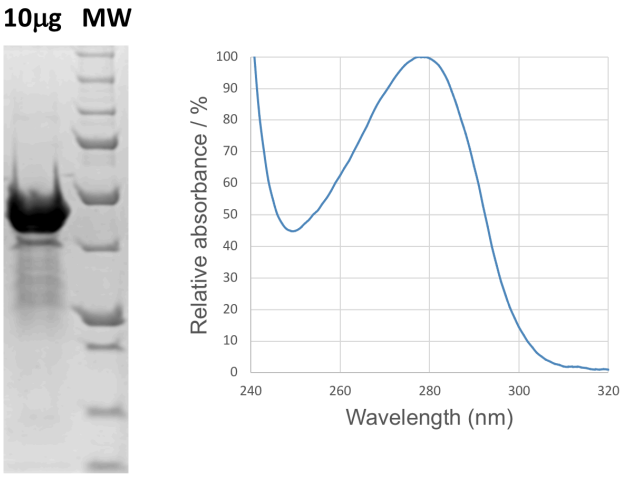
Concentration: Typically 1 mg/mL

Homogeneity ~ 95% by SDS-PAGE. Observable bands identified by MS as the expected protein.

Shipping & Stability: We store and ship -80 °C. Stability not assessed.

ANALYTICAL DATA

UV 260/280 nm ratio calculated as 0.6.



Analysis of His tagged NCP 203_204

Left panel shows protein 10 µg analyzed on 10% SDS-polyacrylamide gel, stained with Coomassie Blue. Right panel shows relative absorbance spectrum from 240 -320 nm.