Data Sheet
For Research Use Only

NAME pI.18_SARS-CoV-2-Spike (B.1.351)

CATALOGUE NUMBER #101024

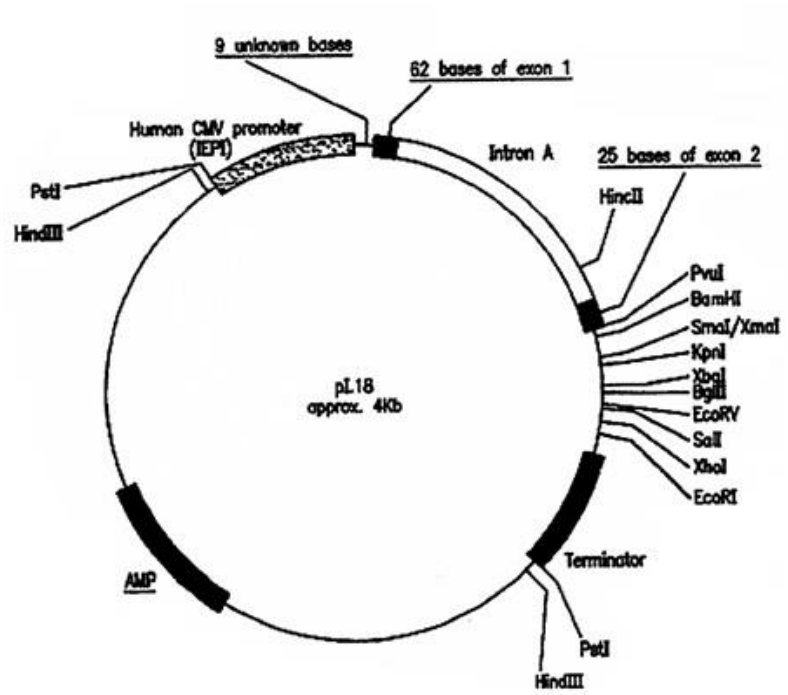
PROVIDED 1µg of purified DNA (100ng/µL) in 10mM Tris-HCl, pH 8.5. .

DESCRIPTION The sequence of the Spike from B.1.351 lineage isolate has been human codon optimized and cloned in the pI.18 (Xho-EcoRI). This plasmid can be used to generate SARS-CoV-2 pseudovirus by co-transfection of HEK-293T cells.

Sequence variation from #100976 pCAGGS_SARS-CoV-2_Spike:

D80A
Deletion Y145,
D215G,
Deletion LLA241-243
K417N
E484K
N501Y
D614G
A701V

MAP



Vector Report for pI 18_SARS_CoV-2-Spike (B.1.351)
Vector Sequence 7899 bp

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STORAGE -20°C

DEPOSITOR Dr Emma Bentley, NIBSC.

ACKNOWLEDGEMENTS The acknowledgment should read: “The [Insert reagent name] was provided by the NIBSC Repository, UK. With thanks to [Depositor]”

Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR, this can be by e-mail or printed copy.

Physical properties (at room temperature)			
Physical appearance	Clear, liquid		
Fire hazard	None		
Chemical properties			
Stable	Yes	Corrosive:	No
Hygroscopic	No	Oxidising:	No
Flammable	No	Irritant:	No
Other: This product is a genetically modified material; It is the responsibility of the end user to seek local biosafety approval for the storage and handling of the material in their workplace			
Handling: CAUTION - This preparation is not for administration to humans or animals in the human food chain. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratory's safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols.			
Toxicological properties			
Effects of inhalation:	Not established, avoid inhalation		
Effects of ingestion:	Not established, avoid ingestion		
Effects of skin absorption:	Not established, avoid contact with skin		
Suggested First Aid			
Inhalation	Seek medical advice		
Ingestion	Seek medical advice		
Contact with eyes	Wash with copious amounts of water. Seek medical advice.		
Contact with skin	Wash thoroughly with water.		

Action on Spillage and Method of Disposal
Spillage of vial contents should be taken up with absorbent material wetted with a virucidal agent. Rinse area with a virucidal agent followed by water. Absorbent materials used to treat spillage should be treated as biologically hazardous waste.