

Data Sheet
For Research Use Only

NAME pl.18_SARS-CoV-2-Spike (B.1.1.7)

CATALOGUE NUMBER 101023

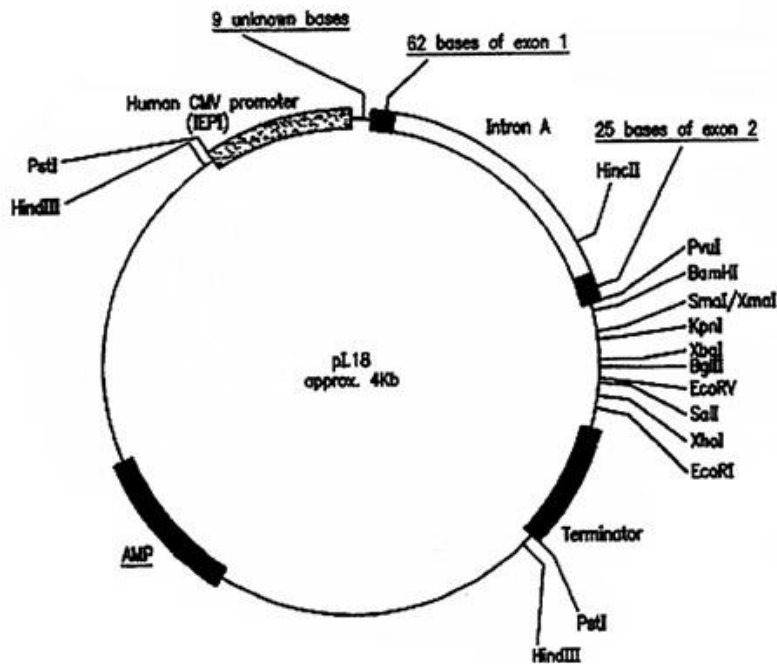
PROVIDED 1µg of purified DNA (100ng/µL) in 10mM Tris-HCl, pH 8.5. .

DESCRIPTION The sequence of the Spike from B.1.1.7 lineage isolate has been human codon optimized and cloned in the pl.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:

Deletion HV69-70
Deletion Y144
N501Y
A570D
D614G
P681H
T716I
S982A
D1118H

MAP



Vector Report for pl 18_SARS_CoV-2-Spike (B.1.1.7)

Vector Sequence 7902 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.

MATERIAL SAFETY SHEET

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.