

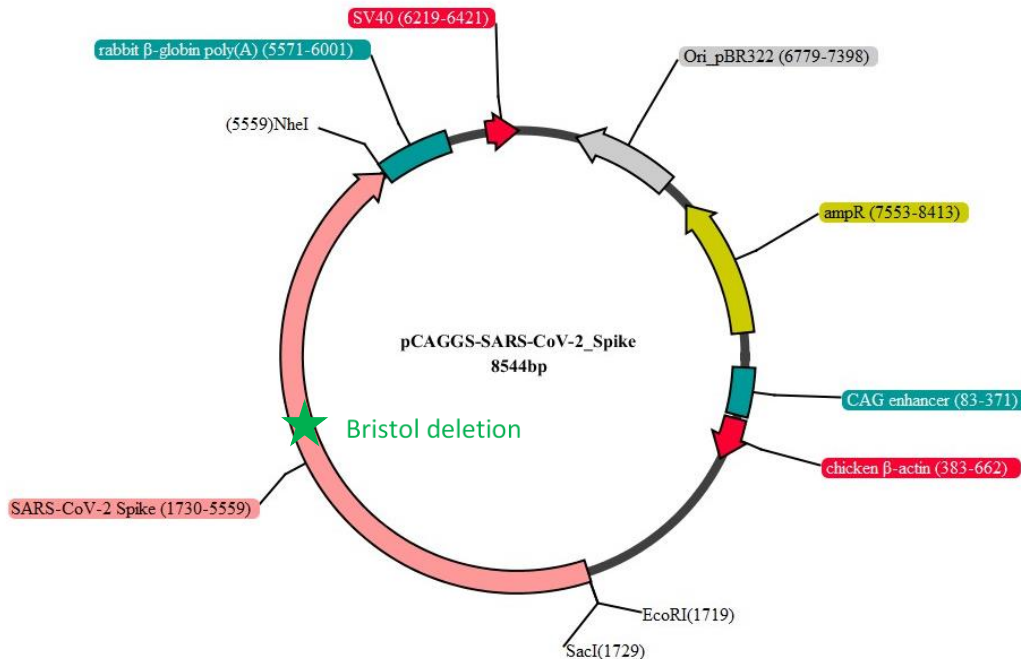
**Data Sheet**  
**For Research Use Only**

**NAME** pCAGGS\_SARS-CoV-2\_Spike Bristol deletion

**CATALOGUE NUMBER** #100986

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

**DESCRIPTION** The sequence of the Spike from Wuhan-Hu-1 isolate (Genbank MN908947.3) has been human codon optimized and cloned in the pCAGGS (SacI-NheI). Amino acids 680-687, which include the arginine rich furin cleavage site, have been deleted (Bristol deletion) by mutagenesis.  
This plasmid can be used to generate SARS-CoV-2 pseudovirus by co-transfection of HEK-293T cells.

**MAP**

**STORAGE** -20°C

**SOURCE** Dr Yann LeDuff, NIBSC.

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





<b>Physical properties (at room temperature)</b>	
Physical appearance	Clear, liquid
Fire hazard	None
<b>Chemical properties</b>	
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.	
<b>Toxicological properties</b>	
Effects of inhalation:	Not established, avoid inhalation
Effects of ingestion:	Not established, avoid ingestion
Effects of skin absorption:	Not established, avoid contact with skin
<b>Suggested First Aid</b>	
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.