

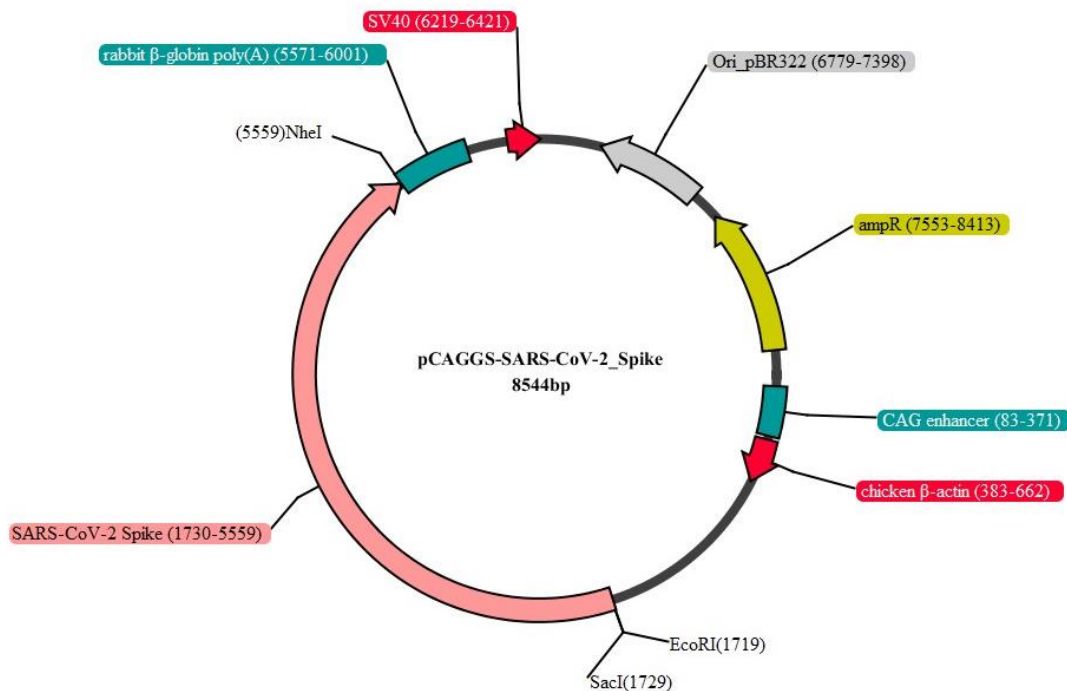
Data Sheet
For Research Use Only

NAME pCAGGS_SARS-CoV-2_Spike

CATALOGUE NUMBER #100976

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 (Sacl-NheI). This plasmid can be used to generate SARS-CoV-2 pseudovirus by co-transfection of HEK-293T cells.

MAP

SEQUENCE

Vector Feature List for pCAGGS_COV19_Spike

SARS-CoV-2 Spike	1730-5559
ampR	7553-8413
misc_feature Ori_pBR322	6779-7398
misc_feature rabbit β -globin p	5571-6001
misc_feature CAG enhancer	83-371
chicken β -actin	383-662
misc_feature SV40	6219-6421

Restriction Sites pCAGGS_COV19_Spike

Name	Frequency	Sites
EcoRI	1	1719
NheI	1	5559
SacI	1	1729

DNADynamo Vector Report for pCAGGS_COV19_Spike
 Vector Sequence 8544 bp: Approximate Mw 5279697 Da

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STORAGE -20°C

DEPOSITOR Dr Emma Bentley, NIBSC.

ACKNOWLEDGEMENTS The acknowledgment should read: "The [Insert reagent name] was provided the NIBSC Repository, UK. 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.



MATERIAL SAFETY SHEET

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
<p>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.</p> <p>Absorbent materials used to treat spillage should be treated as biologically hazardous waste.</p>