

## SARS-CoV2 (2019-nCoV) S protein

Expressed:

**GST 3C SARS-CoV2 (2019-nCoV) S protein**

Plasmid:

**pGEX6P1 SARS-CoV2 (2019-nCoV) S protein (Custom)**

Parent Plasmid:

**pGEX6P1**

DU Number:

**DU67731**

Genbank:

**MN908947.3**

Species:

**SARS-CoV-2**

Synonyms:

Sequence of Insert:

```
GGATCCATGTTTGTGTTTCTGGTGCTGCTGCCGCTGGTGAGCAGCCAGTGCGTGAACCTGACCA
CCCGCACCCAGCTGCCGCCGGCGTATACCAACAGCTTTACCCGCGGCGTGTATTATCCGGATAA
AGTGTTCGCAGCAGCGTGCTGCATAGCACCCAGGATCTGTTTCTGCCGTTTTTTAGCAACGTGA
CCTGGTTCATGCGATTCATGTGAGCGGCACCAACGGCACCAACGCTTTGATAACCCGGTGCT
GCCGTTTAACGATGGCGTGTATTTTGCAGCACCGAAAAAGCAACATTATTCGCGGCTGGATT
TTTGGCACCACCCTGGATAGCAAACCCAGAGCCTGCTGATTGTGAACAACGCGACCAACGTG
GTGATTAAGTGTGCGAATTTCAAGTTTTGCAACGATCCGTTTCTGGGCGTGTATTATCATAAAAA
CAACAAAAGCTGGATGGAAAGCGAATTTCCGCGTGTATAGCAGCGGAACAACACTGCACCTTTGAA
TATGTGAGCCAGCCGTTTCTGATGGATCTGGAAGGCAAACAGGGCAACTTTAAAAACCTGCGCG
AATTTGTGTTTAAAAACATTGATGGCTATTTTAAAATTTATAGCAAACATACCCCGATTAACCTGG
TGCGCGATCTGCCGAGGGCTTTAGCGCGCTGGAACCGCTGGTGGATCTGCCGATTGGCATTAA
CATTACCCGCTTTCAGACCCTGCTGGCGCTGCATCGCAGCTATCTGACCCCGGGCGATAGCAGC
AGCGGCTGGACCGCGGGCGCGGGCGGCGTATTATGTGGGCTATCTGCAGCCGCGCACCTTTCTG
CTGAAATATAACGAAAACGGCACCAATTACCGATGCGGTGGATTGCGCGCTGGAcCCGCTGAGC
GAAACCAAATGCACCCTGAAAAGCTTTACCGTGGA AAAAGGCATTTATCAGACCAGCAACTTTC
GCGTGCAGCCGACCGAAAGCATTGTGCGCTTTCCGAACATTACCAACCTGTGCCCGTTTGGCGA
AGTGTTTAACGCGACCCGCTTTGCGAGCGTGTATGCGTGGAACCGCAAACGCATTAGCAACTGC
GTGGCGGATTATAGCGTGCTGTATAACAGCGCGAGCTTTAGCACCTTTAAATGCTATGGCGTGA
GCCCGACCAAACCTGAACGATCTGTGCTTTACCAACGTGTATGCGGATAGCTTTGTGATTCGCGG
CGATGAAGTGCGCCAGATTGCGCCGGGCCAGACCGGCAA AATTGCGGATTATAACTATAAACT
GCCGATGATTTTACCGGCTGCGTGATTGCGTGGAACAGCAACAACCTGGATAGCAAAGTGGG
CGGCAACTATAACTATCTGTATCGCCTGTTTCGCAA AAGCAACCTGAAACCGTTTGAACGCGATA
TTAGCACCGAAATTTATCAGGCGGGCAGCACCCCGTGCAACGGCGTGGAAGGCTTTAACTGCTA
TTTTCCGCTGCAGAGCTATGGCTTTCAGCCGACCAACGGCGTGGGCTATCAGCCGTATCGCGTG
```

GTGGTGCTGAGCTTTGAACTGCTGCATGCGCCGGCGACCGTGTGCGGCCCGAAAAAAGCACC  
AACCTGGTGAAAAACAAATGCGTGAACCTTTAACTTTAACGGCCTGACCGGCACCGGCGTGCTGA  
CCGAAAGCAACAAAAAATTTCTGCCGTTTCAGCAGTTTGGCCGCGATATTGCGGATACCACCGA  
TGCGGTGCGCGATCCGCAGACCCTGGAAATTCTGGATATTACCCCGTGACGCTTTGGCGGCGTG  
AGCGTGATTACCCCGGGCACCAACACCAGCAACCAGGTGGCGGTGCTGTATCAGGATGTGAAC  
TGCACCGAAGTGCCGGTGGCGATTTCATGCGGATCAGCTGACCCCGACCTGGCGCGTGATAGC  
ACCGGCAGCAACGTGTTTCAGACCCGCGCGGGCTGCCTGATTGGCGCGGAACATGTGAACAAC  
AGCTATGAATGCGATATTCCGATTGGCGCGGGCATTTCGCGGAGCTATCAGACCCAGACCAACA  
GCCCGCGCCGCGCGCGCAGCGTGGCGAGCCAGAGCATTATTGCGTATACCATGAGCCTGGGGC  
CGGAAAACAGCGTGGCGTATAGCAACAACAGCATTGCGATTCCGACCAACTTTACCATTAGCGT  
GACCACCGAAATTCTGCCGGTGGCATGACCAAAACCAGCGTGGATTGCACCATGTATATTTGC  
GGCGATAGCACCGAATGCAGCAACCTGCTGCTGCAGTATGGCAGCTTTTGCACCCAGCTGAACC  
GCGCGCTGACCGGCATTGCGGTGGAACAGGATAAAAACACCCAGGAAGTGGTTCGCGCAGGTGA  
AACAGATTTATAAAACCCCGCCGATTAAAGATTTTGGCGGCTTTAACTTTAGCCAGATTCTGCCG  
GAcCCGAGCAAACCGAGCAAACGCGAGCTTTATTGAAGATCTGCTGTTTAACAAAGTGACCCTGG  
CGGATGCGGGCTTTATTAACAGTATGGCGATTGCCTGGGCGATATTGCGGCGCGCGATCTGAT  
TTGCGCGCAGAAATTTAACGGCCTGACCGTGCTGCCGCGCTGCTGACCGATGAAATGATTGCG  
CAGTATACCAGCGCGCTGCTGGCGGGCACCATTACCAGCGGCTGGACCTTTGGCGCGGGCGCG  
GCGCTGCAGATTCCGTTTTCGATGCAGATGGCGTATCGCTTTAACGGCATTGGCGTGACCCAGA  
ACGTGCTGTATGAAAACCAGAACTGATTGCGAACCAAGTTTAAACAGCGCGATTGGCAAATTC  
GGATAGCCTGAGCAGCACCGCGAGCGCGCTGGGCAAACCTGCAGGATGTGGTGAACCAGAACG  
CGCAGGCGCTGAACACCCTGGTGAACAGCTGAGCAGCAACTTTGGCGCGATTAGCAGCGTGC  
TGAACGATATTCTGAGCCGCTGGATAAAGTGAAGCGGAAGTGCAGATTGATCGCCTGATTAC  
CGGCCGCTGCAGAGCCTGCAGACCTATGTGACCCAGCAGCTGATTTCGCGCGGGCGGAAATTCG  
CGCGAGCGCGAACCTGGCGGCGACCAAAATGAGCGAATGCGTGCTGGGCCAGAGCAAACGCG  
TGGATTTTTCGCGCAAAGGCTATCATCTGATGAGCTTTCCGCGAGAGCGCGCCGCATGGCGTGGT  
GTTTCTGCATGTGACCTATGTGCCGGCGCAGGAAAAAACTTTACCACCGCGCCGGCGATTTCG  
CATGATGGCAAAGCGCATTTTCCGCGCGAAGGCGTGTGTTGTGAGCAACGGCACCCATTGGTTTG  
TGACCCAGCGCAACTTTTATGAACCGCAGATTATTACCACCGATAACACCTTTGTGAGCGGCAA  
CTGCGATGTGGTGAATTGGCATTGTGAACAACACCGTGTATGATCCGCTGCAGCCGGAACCTGGAT  
AGCTTTAAAGAAGAAGTGGATAAATATTTTAAAAACCATAACCAGCCCGGATGTGGATCTGGGCG  
ATATTAGCGGCATTAACGCGAGCGTGGTGAACATTCAGAAAGAAATTGATCGCCTGAACGAAGT  
GGCGAAAAACCTGAACGAAAGCCTGATTGATCTGCAGGAACTGGGCAAATATGAACAGTATATT  
AAATGGCCGTGGTATATTTGGCTGGGCTTTATTGCGGGCCTGATTGCGATTGTGATGGTGACCAT  
TATGCTGTGCTGCATGACCAGCTGCTGCAGCTGCCTGAAAGGCTGCTGCAGCTGCGGCAGCTGC  
TGCAAATTTGATGAAGATGATAGCGAACCAGGTGCTGAAAGGCGTGAAACTGCATTATACCTgaGC  
GGCCG

Amino Acid Sequence:

MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYIDGDVKLQTS  
MAIIRYIADKHNMLGGCPKERAEISMLEGAVLDIRYGVSRAYSKDFETLKVDLFLSKLPEMLKMFEDRL  
CHKTYLNGDHDVTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIQIDKYLKSSKYIAWPLQG  
WQATFGGGDHPKSDLEVLFGQPLGSMFVFLVLLPVSSQCVNLTRTQLPPAYTNSFTRGVYYPDK  
VFRSSVLHSTQDLFLPFFSNVTWFHAIHVSNTGTRKFDNPVLPFNDGVYFASTEKSNIRGWIFGTTL  
DSKTQSLIVNATNVVIKVFQFCNDPFLGVYYHKNNKSWMESEFRVYSSANNCTFEYVSQPFLM  
DLEGKQGNFNKLNREFVFNIDGYFKIYSKHTPINLVRDLPQGFSALEPLVDLPIGINITRFQTLALHRS  
YLTPGDSSSGWTAGAAAYYVGYLQPRTFLLKYNENGTITDAVDCALDPLSETKCTLKSFTVEKGIYQT  
SNFRVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRKRISNCVADYSVLYNSASFSTFKCYGVS  
PTKLNLDLFTNVYADSFVIRGDEVQRQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNLDSKVGGNYNY  
LYRFLFRKSNLKPFRDISTEIYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYRVVVLSEFLLH  
APATVCGPKKSTNLVKNKCVNFNGLTGTGVLTESNKKFLPFQQFGRDIADTTDAVRDPQTLEILDI  
TPCSFGGVSVITPGTNTSNQVAVLYQDVNCTEVPVAIHADQLTPTWRVYSTGSNVFQTRAGCLIGAEH  
VNNSYECDIPIGAGICASYQTQTNPRRARSVASQSIIAYTMSLGAENSVAYSNSIAIPTNFTISVTTEI  
LPVSMTKTSVDCTMYICGDSTECNLLLQYGSFCTQLNRALTGIAVEQDKNTQEVFAQVKQIYKTPPI

KDFGGFNFSQILPDPSKPSKRSFIEDLLFNKVTLADAGFIKQYGDCLGDIAARDLICAQKFNGLTVLPP  
LLTDEMIAQYTSALLAGTITSGWTFGAGAALQIPFAMQMAYRFNGIGVTQNVLYENQKLIANQFN  
GKIQDSLSTASALGKLQDVVNQNAQALNNTLVKQLSSNFGAISSVLNDILSRDKVEAEVQIDRLITGR  
LQSLQTYVTQQLIRAAEIRASANLAATKMSECVLGQSKRVDFCGKGYHLMSFPQSAPHGVVFLHVTY  
VPAQEKNTTAPAICHGKAHFPREGVFSNGTHWFVTQRNFYEPQIITDNTFVSGNCDVVIGIVNNT  
VYDPLQPELDSFKEELDKYFKNHTSPDVLGDISGINASVVNIQKEIDRLNEVAKNLNESLIDLQELGK  
YEQYIKWPWYIWLGFIAGLIAIVMVTIMLCCMTSCCCLKGCCSCGSCCKFDEDDSEPVLKGVKLHYT  
\*

Antibiotic:

**Amp**

Comments:

**Codon optimised for bacterial expression.**

Price per aliquot:

**£110.00**



University  
of Dundee