

Specifications:

Gene:	<i>hCoV-229E</i> spike protein
Accession:	NP_073551.1
Insert size:	3535bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

HCoV-229E Spike Protein cDNA Plasmid

S surface glycoprotein [*Human coronavirus 229E*]

Summary:

Coronaviruses (CoVs) are a large group of viruses infecting human and animals and produce a variety of diseases including respiratory, enteric, renal, and neurological diseases. The spike (S) glycoprotein of HCoV-229E contains two subunits, S1 and S2, mediating attachment with host receptor and membrane fusion, respectively. The S1 region attaches the virion to the cell membrane by interacting with host ANPEP/aminopeptidase N, initiating the infection.



