HCoV-229E Spike/S Protein (APT69883, sf9, His)

Cat. No.:	HY-P76384
Synonyms:	Human coronAvirus (HCoV-229E) Spike Protein (S1+S2 ECD, His)
Species:	Virus
Source:	Sf9 insect cells
Accession:	APT69883 (C16-W1115)
Gene ID:	/
Molecular Weight:	Approximately 122.1 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 300 mM NaCl, 10% Glycerol, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Coronaviruses (CoVs) are enveloped, positive-sense, single-stranded RNA viruses with the largest genomes known among RNA viruses (~26–32 kb) belonging to the order Nidovirales1. Coronaviruses spike (S) glycoproteins mediate viral entry into host cells by binding to host receptors. To date, there are seven coronaviruses, namely the alphacoronaviruses HCoV-229E and HCoV-NL63, the betacoronaviruses HCoV-OC43, HCoV-HKU1, SARS-CoV, MERS-CoV and the emerging coronavirus (SARS-CoV-2). Moreover, fusion activation of HCoV-229E may be highly reliant on cleavage of the S2′ trigger loop (GSR685↓V686AG)[1][2].

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA