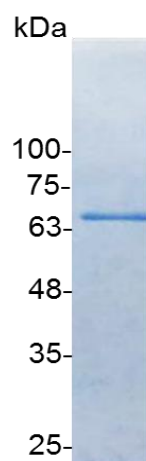


PRODUCT INFORMATION

Human Coronavirus (229E) Nucleocapsid Protein, His tag, E. coli

v. 230201

Catalog number	C11010-100UG
Package	100 µg
Description	There are six strains of coronavirus within two subgroups that infect humans. The strains of human coronaviruses that commonly infect people worldwide include 229E and NL63 in the Alpha subgroup and OC43 and HKU1 in the Beta subgroup. Nucleocapsid protein (NP) packages the positive strand viral genome RNA into a helical ribonucleocapsid (RNP) and plays a fundamental role during virion assembly through its interactions with the viral genome and membrane protein M. This product is composed of a DNA sequence encoding Human Coronavirus (229E) NP and a polyhistidine tag at the C-terminus.
Source	<i>Escherichia coli</i>
Sequence	MATVKWADASEPQRGRQGRIPYSLYSPLLVDSEQPWKVIPRNLVPINKKDKNK LIGYWNVQKRFRTRKGRVDLSPKLHFFYLLGTGPHKDAKFRERVEGVVWVAV DGAKTEPTGYGVRRKNSEPEIPHFNQKLPGVTVVEEPDSRAPSRSSQSRSSQ RGRGESKPQSRNPSSDRNHNSQDDIMKAVAAALKSLGFDKPQEKDKKSAKTG TPKPSRNQSPASSQTS AKSLARSQSSETKEQKHEMQKPRWKRQPNDDVTSN VTQCFGPRDL DHNFGSAGVVANGVKAKGYQFAELVPSTAAMLFD SHIVSKES GNTVVLTF TTRVTVPKDHPHLGKFLEELNAFTREMQQHPLLNP SALEFNPSQTS PATAEPVRDEVS IETDIIDEVN with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE.
Formulation	The protein was lyophilized from a solution containing 1X PBS containing, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant Human Coronavirus (229E) Nucleocapsid Protein

For Research Use Only.