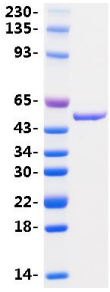
Understanding Life
One Protein at a Time ...

PRODUCT DATASHEET

Catalog No:	**LTP-V001**
Product Name:	Recombinant SARS-CoV-2 Nucleocapsid Protein
Description:	Recombinant protein of SARS-CoV-2 (2019-nCoV) *nucleocapsid* (N) from Wuhan pneumonia virus (MN908947.3), with a C-terminal DYKDDDDK tag.
Alias or Clone:	2019-nCoV, COVID-19
Source:	Expressed and purified from *in vitro* cell culture of Human 293 cells
Accession No.:	NC_045512.2; YP_009724397.1; **Gene ID:** 43560237;
Amino acid Sequence:	The amino acid sequences of recombinant protein was derived from a full-length sequence of accession# YP_009724397.1 / QHD43423.1.
Purity:	> 90% by SDS-PAGE gel and Coomassie Blue staining
SDS-PAGE & Biological Activity:	*Predicted MW of this product is ~ 49.7 kDa when running on SDS-PAGE under the reduced condition* 
Formulation:	Protein formulated in a solution of 0.1M glycine, 50 mM Tris.Cl, pH7.4, 150 mM NaCl;
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (<1 EU/μg)
Shipping, Storage and Stability:	The product is shipped with dry ice. Upon receipt, unopened vial can be stored at -80°C for over 12 months. Avoid repeated freeze/thaw cycles. Also the product can be aliquoted in the smaller size of working aliquots with the desired buffer and concentration, and stored at or below -20°C stable for 3 to 4 weeks.
Background:	The coronavirus Nucleocapsid (N) is a structural protein of multifunction. The N protein of CoVs forms the helical ribonucleocapsid complexes with positive strand viral genomic RNA, and interacts with viral membrane protein during virion assembly, and plays an important role in enhancing the efficiency of virus replication, transcription, and assembly.

FOR RESEARCH LABORATORY TEST USE ONLY!