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Product Datasheet

Recombinant Human Novel Coronavirus Spike glycoprotein(S) (N501Y),partial (Active) BYT-ORB1096692

Article Name	Recombinant Human Novel Coronavirus Spike glycoprotein(S) (N501Y),partial (Active)
Biozol Catalog Number	BYT-ORB1096692
Supplier Catalog Number	orb1096692
Alternative Catalog Number	BYT-ORB1096692-1,BYT-ORB1096692-100,BYT-ORB1096692-20
Manufacturer	Biorbyt
Category	Proteine/Peptide
Product Description	This Recombinant Human Novel Coronavirus Spike glycoprotein(S) (N501Y),partial (Active) spans the amino acid sequence from region 319-541aa(N501Y). Purity: Greater than 90% as determined by SDS- PAGE....
Molecular Weight	27.9 kDa
UniProt	P0DTC2
Buffer	Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Source	Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS- CoV-2)
Purity	Greater than 90% as determined by SDS-PAGE.
Form	Lyophilized powder

Sequence	RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLYNSA SFSTFKCYGVSP TKLNDLCFTNVYADSFVIRGDEV RQIAPGQTGKIADYNYKLP DDFTGCVIAWNSNNLDSKVGGNYNYLYRLFRKSNLKP FERDISTEIYQAGSTP CNGVEGFNCYFPLQSYGFQPTYGVGYQP YRVVVL SFELLHAPATVCGPKKSTN LVKNKCVNF
Application Notes	Biological Origin: Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-CoV-2). Biological Activity: Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD (N501Y) at 2 µg/ml can bind human ACE2, the EC50 is 12.95-17.87 ng/ml. Application Notes: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference