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Product Datasheet

Human Novel Coronavirus Spike glycoprotein protein BYT-ORB640279

Article Name	Human Novel Coronavirus Spike glycoprotein protein
Biozol Catalog Number	BYT-ORB640279
Supplier Catalog Number	orb640279
Alternative Catalog Number	BYT-ORB640279-20,BYT-ORB640279-100,BYT-ORB640279-1
Manufacturer	Biorbyt
Category	Proteine/Peptide
Product Description	This Human Novel Coronavirus Spike glycoprotein protein spans the amino acid sequence from region 319-541aa. Purity: Greater than 90% as determined by SDS-PAGE....
Molecular Weight	51.1 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	RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRKRISNCVADYSVLYNSA SFSTFKCYGVSP TKLNDLCFTNVYADSFVIRGDEV RQIAPGQTGKIADYNYKLP DDFTGCVIAWNSNNLDSKVGGNYNYLYRLFRKSNLKPFERDISTEIQAGSTP CNGVEGFNCYFPLQSYGFQPTNGVGYQPYRVVVL SFELLHAPATVCGPKKST NLVKNKCVNF

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 at 2 µg/ml can bind Biotinylated Anti-SARS-CoV-2-S Antibody, the EC50 of SARS-CoV-2-S1-RBD protein is 106.2-131.2 ng/ml. ②Measured by its binding ability in a functional ELISA. Immobilized human ACE2 at 2 µg/ml can bind SARS-CoV-2-S1-RBD, the EC50 of SARS-CoV-2-S1-RBD protein is 8.363-12.82 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
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