

## PRODUCT INFORMATION

# SARS-CoV-2 Spike Protein S1-Receptor-Binding Domain-Delta-Plus (AY.1/AY.2)\_HEK

### Description:

InVivo offers a recombinant form of the Spike protein receptor binding domain (RBD) from severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), based on Wuhan-Hu-1-isolate (MN908947), which is produced under serum-free conditions in HEK-INV cells (InVivo proprietary optimized; human embryonic kidney, HEK293 cells).

### RBD-Delta-Plus (AY.1/AY.2) variant; containing mutations K417N, L452R, T478K.

Protein design and manufacturing process is based on InVivo's RBD protein (aa 319-541). The protein includes a C-terminal hexa-histidine-tag and is purified using affinity chromatography (AC) and preparative SEC (for polishing).

<b>Product-ID:</b>	S1-RBD-Delta-Plus (AY.1/AY.2)_HEK
<b>Expression System:</b>	Mammalian; HEK
<b>Protein Accession Number:</b>	GenBank: <a href="#">QHD43416.1</a> / UniProt: <a href="#">P0DTC2</a>
<b>Amino Acids:</b>	Arg319–Phe541, modified as mentioned above
<b>Mutations:</b>	K417N, L452R, T478K
<b>Mature Protein N-Term:</b>	Arg319 (predicted)
<b>Tag:</b>	6 x His-Tag; C-terminal
<b>Expected Molecular Weight:</b>	26 kDa ( <i>glycosylated form runs at 25-40 kDa in gel electrophoresis</i> )
<b>Formulation:</b>	Liquid, 20 mM NaPP, 300 mM NaCl pH 7.2
<b>Concentration:</b>	≥ 0.5 mg/ mL
<b>Purity:</b>	≥ 90% ( <i>via analytical CGE under reducing conditions</i> )
<b>Recommended storage temp:</b>	< -15°C
<b>Shipping condition:</b>	on dry ice

**The product is for research use or for further manufacturing only.**