



## Recombinant SARS-CoV-2 (2019-nCoV) RBD Protein

One of the core biological characteristics of SARS-COV-2 is the presence of spike protein that enables the virus to invade into the host cells through its receptor binding domain.

The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. The RBD protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.

### Product Details

<b>Catalog no.</b>	GNG-RBD-R319F
<b>Molecular weight</b>	~27kDa
<b>Amino acid sequence</b>	Arg319- Phe541
<b>Host</b>	HEK cell line
<b>Formulation</b>	Stored in PBS pH 7.4 with protectants
<b>Conjugate/ Tag</b>	C- terminus 6 X His tag
<b>Purity</b>	> 90% Purity, purified by Ni NTA and determined by SDS-PAGE
<b>Form</b>	Liquid/ Lyophilized
<b>Storage</b>	Store at -20°C and avoid freeze thaw. Stable for 12 months from the date of receipt if kept at recommended temperature
<b>Suggested working dilution</b>	The optimal concentration should be determined for each specific application.
<b>Research use</b>	For Research Use Only. Not for use in diagnostic procedures.

### SDS PAGE Gel image of RBD protein

