SARS-CoV-2 Spike Protein RBD (S477N Mutation)

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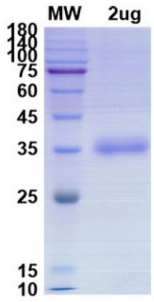

SDS-PAGE analysis of SARS-CoV-2 Spike Protein RBD (S477N Mutation).

Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2/COVID-19) Spike Protein Receptor-Binding Domain (RBD) is a recombinant protein expressed in Mammalian cells.

The SARS-CoV-2 Spike Protein (S protein) is a viral protein that allows the entry of SARS-CoV-2 into human cells. The protein forms trimers on the viral capsid and binds to human Angiotensin Converting Enzyme 2 (ACE2) located on the cell surface. The protein has a cleavage site between the Spike Protein and S2 subunits that is targeted by the human enzyme Furin, and it may also cause the development of a syncytium (cell fusion). Antibodies to S protein can prevent viral entry as well as target the virus for further immune action.

The S477N mutation has been reported to increase binding to human ACE2.

Target:	SARS-CoV-2 Spike Protein RBD (S477N Mutation)
Research Area:	Infection Immunity
Target Modification:	Ser477Asn
Modification:	Mutation
Origin:	Virus
Expression:	Recombinant
Tested Applications:	SDS-PAGE
Host:	Mammalian cells
Recommended dilutions:	Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Form:	Lyophilized

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Purity:	> 90% (SDS-PAGE)
Reconstitution:	Reconstitute in ddH_2O to a concentration of 1 mg/ml.
Storage:	Store between -20°C and -80°C. Avoid repeated freeze/thaw cycles.
NCBI Accession:	YP_009724390.1
Molecular Weight:	Observed MW: 35 kDa
Tag:	C-terminal His tag
Buffer:	Prior to lyophilization: PBS, pH 7.5.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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