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Datasheet for ABIN6952485
SARS-CoV-2 Spike Peptide

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Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike
Origin:	SARS Coronavirus-2 (SARS-CoV-2)
Source:	Synthetic
Application:	Inhibition Assay (InhA)

Product Details

Sequence:	DISGINASVV NIQKEIDRLN EVAKNLNESL IDLQEL
Characteristics:	2019-nCov-HR2P
Purity:	≥ 95 %
Components:	Each vial contains 100 µg of NET peptide.

Target Details

Target:	SARS-CoV-2 Spike
Target Type:	Viral Protein
Molecular Weight:	4008.50
Gene ID:	43740568
UniProt:	P0DTC2

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Powder

Storage: RT, 4 °C, -20 °C

Storage Comment: Up to 6 months in lyophilized form at 0-5°C. For best results, rehydrate just before use. After rehydration, keep solution at -20°C for up to 3 months. Aliquot before freezing to avoid repeated freeze-thaw cycles.

Publications

Product cited in: Xia, Zhu, Liu, Lan, Xu, Wu, Ying, Liu, Shi, Jiang, Lu: "Fusion mechanism of 2019-nCoV and fusion inhibitors targeting HR1 domain in spike protein." in: **Cellular & molecular immunology**, (2020) ([PubMed](#)).

Lu: "Drug treatment options for the 2019-new coronavirus (2019-nCoV)." in: **Bioscience trends**, Vol. 14, Issue 1, pp. 69-71, (2020) ([PubMed](#)).

Xia, Yan, Xu, Agrawal, Algaissi, Tseng, Wang, Du, Tan, Wilson, Jiang, Yang, Lu: "A pan-coronavirus fusion inhibitor targeting the HR1 domain of human coronavirus spike." in: **Science advances**, Vol. 5, Issue 4, pp. eaav4580, (2019) ([PubMed](#)).

Image 1.

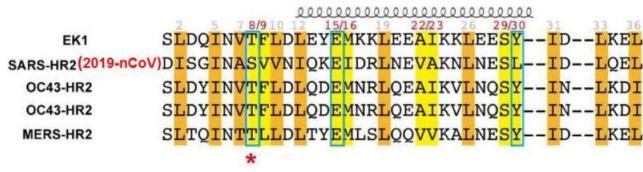


Image 2. Schematic representation of HCoV S protein. SP, signal peptide; FP, fusion peptide; HR, heptad repeat domain (HR1 and HR2); TM, transmembrane domain; CP, cytoplasmic domain. Corresponding sequences of the designed peptides (HR1Ps and HR2Ps).

